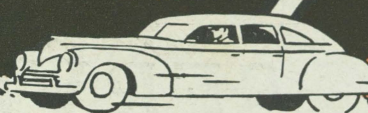
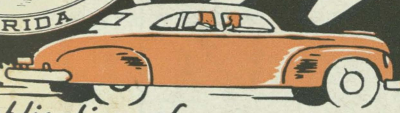
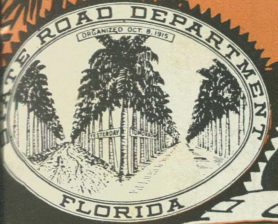


FLORIDA

Highways



Official Publication of

State Road Department of Florida---Florida Highway Patrol

VOLUME 10
NUMBER 8

JULY 1942

Florida Highways Tenth Anniversary

FLORIDA STATE LIBRARY



ATTENTION, SERVICEMEN!

WIN A \$50 WAR Bond by writing an article or story about Florida. The State Chamber of Commerce is co-operating in this contest by donating the bond.

The contest is open only to those servicemen who are not citizens of Florida. Entries must be between 1,000 and 2,500 words, and should be submitted to the nearest WPA War Information and Reading Service Center or mailed to the WPA Writers' Project, 49 West Duval Street, before September 1, 1942. The prize winning article and the two next best contributions will be published in **Florida Highways** Magazine.

Transactions of Meeting of Florida State Road Department

HELD IN OCALA JUNE 29

Pursuant to mutual agreement and call by the Chairman, the Members of the State Road Department of Florida met in regular session at Ocala, on the 29th of June, 1942, with the following attendance:

Thomas A. Johnson, Chairman; Jack F. Townsend, James R. Stockton, O. G. Lindsey, C. Fred Ward, Members; H. H. Bas-kin, Secretary; L. A. Fraleigh, Jr., Assistant Secretary; J. H. Dowling, State Highway Engineer; L. K. Cannon, E. C. De-Garmo, Asst. Highway Engineers; T. M. Shackleford, Attorney; R. W. Ervin, Jr., Assistant Attorney; R. J. Waterston, Auditor; E. S. Fraser, Bridge Engineer; J. W. Allen, J. R. Slade, H. H. McCallum, N. S. Emery, W. D. Leveille, Division Engineers.

At the beginning of the meeting Mr. Horace Smith, Secretary of the Marion County Chamber of Commerce, appeared in behalf of the citizens of Ocala and Marion County to welcome the Road Department in its meeting, to wish for them a pleasant stay in Ocala and to offer an invitation for their return. Mr. Smith also spoke for the Mayor of Ocala who could not be present on this occasion.

APPROVAL OF MINUTES

On motion of Mr. Ward, seconded by Mr. Townsend, the minutes of the meeting held at Pensacola on May 22 were approved.

MEMBERS' EXPENSE ACCOUNTS

On motion of Mr. Townsend, seconded by Mr. Ward, the expense accounts of the Members were approved and ordered paid, as follows:

Thos. A. Johnson.....	\$56.10
Thos. A. Johnson.....	25.15
C. Fred Ward.....	48.25
C. Fred Ward.....	6.40

CLAY COUNTY—ROAD 48—PROJECT 4515 (5451)—RIGHT OF WAY

On motion of Mr. Stockton, seconded by Mr. Ward, the following resolution was adopted:

WHEREAS, pursuant to due authorization, the State Highway Engineer has had a section of State Road No. 48 in Clay County located and surveyed and has designated the same as Project 4515 (5451) and has prepared a right of way map of said project;

NOW THEREFORE BE IT RESOLVED by the State Road Department that it hereby approves the location and survey of said project and directs that a copy of said right of way map of such location and survey certified to by the Secretary and the Chairman of the Department, be filed in the office of the Clerk of the Circuit Court of said County;

BE IT FURTHER RESOLVED that it is the judgment of the Department that the construction of said project is necessary, practical and to the best interest of the State, and that it is necessary that the right of way for the roadbed, ditches, and borrow pits for said project be acquired;

BE IT FURTHER RESOLVED by the Department that said County be, and it is hereby requested and authorized, at its own expense, in its name, by its Commissioners, to secure by gift, purchase or

condemnation, the lands necessary for the right of way for the roadbed for said project as shown on said map or plat, together with any and all easements for drainage and borrow pits that may hereafter be found and determined necessary in the construction and maintenance of said project, and to convey the same to this Department, free of encumbrance; and,

BE IT FURTHER RESOLVED that in the event the County agrees to secure the right of way for the roadbed, ditches, and borrow pits for said project, that the Chairman and the Secretary of the Department are hereby authorized to execute for the Department the usual right of way contract with the County.

APPROVAL OF AWARD OF CONTRACTS

On motion of Mr. Townsend, seconded by Mr. Ward, the following resolution was adopted:

WHEREAS, PURSUANT TO DUE ADVERTISEMENT, the Department did on certain dates as hereinafter indicated receive bids for the construction of certain projects and for the furnishing of certain materials, as hereinafter listed; and

WHEREAS, the firms hereinafter named were and are hereby declared to be the lowest responsible bidders therefor,

NOW, THEREFORE, BE IT RESOLVED, that the action of the Chairman in awarding the contracts hereinafter listed be and the same is hereby approved, which said contracts are as follows:

CONSTRUCTION

Projects	Roads	Counties
Bids received June 2		
5297(3)	265	Santa Rosa
5125(3)	6	Gulf

Bids received May 27

5386(1)	186	Holmes
5581	186	Holmes
5251	165	Okaloosa

MATERIALS

Untr. Str. Timber.....	
Untr. Tmbr. Piling.....	
Untr. Str. Timber.....	
Untr. Tmbr. Piling.....	
Untr. Str. Timber.....	
Untr. Tmbr. Piling.....	

(Continued on page 20)

Contractors	Amount
Coggins & Deermont.....	\$ 5,924.21
Smith Eng. & Constr. Co.....	94,809.02

A. L. Dunn.....	\$ 4,221.23
A. L. Dunn.....	1,680.00
A. L. Dunn.....	3,547.90
A. L. Dunn.....	1,440.00
A. L. Dunn.....	3,865.00
A. L. Dunn.....	1,837.50

ADVERTISERS' INDEX

Aetna Steel Construction Co...In. B. Cover
Alton Moore Motors, Inc.....16
B. B. McCormick & Sons.....22
Burgman Tractor Co.....Back Cover
City Ice & Fuel Company.....19
Clewiston Motor Co.....Back Cover
Cogswell, A. R.....15
Cook Motor Company.....21
Dill, Robert J.....14
Dixie Culvert & Metal Co.....22
Dixie Sand & Gravel Co.....21
Drainage Machinery & Supply Co.....18
Epperson & Company.....16
Eppinger & Russell Co.....In. B. Cover
Fisher Hardware Company.....20
Flamingo Concrete Pipe Co.....16
Florida Asphalt Co.....19
Florida Construction Service, Inc.....17
Florida Crushed Stone Co.....18
Florida-Georgia Tractor Co...In. B. Cover
Florida Gravel Co.....21
Florida Motor Lines.....15
Florida Portland Cement Co...Back Cover
Florida Steel Products, Inc.....14
Florida Wood Preserving Co...Back Cover

Georgia Packing Co.....19
Goethe, P. B.....14
Gulf Oil Corporation.....20
Hall's Auto Parts.....17
Heath Motor & Supply Co.....20
Hygeia Coca Cola Bottling Works.....21
I. W. Phillips & Co.....16
Joe's Tire Shop.....17
J. H. Churchwell Co.....15
Kuhn, Morgan & Co.....16
Lamar Hotel.....18
Lloyd Motor Co., Inc.....20
Manning's Place.....20
McIntosh, B. D.....18
Mexican Petroleum Co.....21
Milford's Service Station & Garage.....14
Mills Rock Co.....17
Mills Rock Company of Miami, Inc.....18
M. O. Huck Paint Co., Inc.....14
Monticello Nursery Co.....20
Moore's Truck & Transfer Co.....16
Murphee Construction Co.....17
Nelson Chevrolet Co., Inc.....20
Newport Industries, Inc.....In. B. Cover

Ogden, M. B.....15
Oolite Rock Company.....17
Orange Belt Truck & Tractor Co.....18
Panama Machinery & Supply Co.....20
Pensacola Junk Co.....21
Plymouth Citrus Growers Assn.....14
Portland Cement Association.....22
Respass Engraving Co.....15
St. Andrews Bay Towing & Lighterage Co.....13
Seabrook Hardware Co.....19
Shelley Tractor & Equipment Co.....17
Sherman Concrete Pipe Co.....16
Sherrill Oil Company.....21
Spearman Beer—Ale.....19
Sutton, H. J.....17
Tamiama Trailways.....15
Thacker & Van Gilder.....14
Tungston Plantations.....19
Underwood, R. W.....18
Valencia Garden.....16
Vaughn & Wright.....17
Weaver-Loughridge Lumber Co.....20
Wolfe Construction Co., Inc.....15
WPA—Attention, Servicemen...In. F. Cover

FLORIDA HIGHWAYS

Official Publication State Road Department—Florida Highway Patrol

Authorized medium of Motor Vehicle Division and other State departments.

VOLUME 10

JULY 1942



NUMBER 8

J. E. ROBINSON
SAM ELLIS

Publisher
Editor

CONTENTS

Minutes of State Road Department.....	3-20
Editorial—Tenth Anniversary.....	5
SRD Helps Toward Victory.....	6-16
Florida Fourth Estate.....	8
Accomplishments of Forest-Park Service.....	9-19
Florida Caverns—Underground Wonderland.....	10-17
Capital Chatter.....	11-16
Acorn Becoming Giant Industrial Oak.....	12
How, When and Why of Crashes.....	13
Resources Research Started.....	14
Must Cut Speed, Says Sherman.....	15

A magazine of general circulation and general public interest dedicated to construction and improvement of Florida highways, to traffic safety, public education and all that these imply in the future development of Florida resources and possibilities. Not published at State expense. Manuscripts and pictures intended for publication should be addressed to the Editor. Contributions of pictures and reading material are welcomed, but publisher accepts no responsibility for their loss. Permission is hereby given to newspapers and other publications to reprint material contained herein (unless specifically restricted in the title of the material), provided proper credit is given to Florida Highways. Subscription price, \$2.00 per year; single copies 25 cents. Published monthly and entered as second class matter July 11, 1941, at the postoffice at Winter Garden, Florida, under the Act of March 3, 1879.

Notice of change of address should be given to Florida Highways, Winter Garden, Florida, two weeks in advance of the date of publication of the next issue.

Address all correspondence to Florida Highways—not to individuals.

State Officers

Spessard L. Holland, Governor.....Tallahassee
R. A. Gray, Secretary of State.....Tallahassee
Jas. M. Lee, Comptroller.....Tallahassee
Nathan Mayo.....Tallahassee
Commissioner of Agriculture
Colin C. English.....Tallahassee
Superintendent of Public Instruction
J. Tom Watson.....Tallahassee
Attorney General
J. Edwin Larson.....Tallahassee
State Treasurer

American Road Builders Association

FLORIDA SECTION

E. C. Langston, Chairman.....Orlando
Jas. H. Craggs, Vice Chairman.....Ocala
H. M. Birtley, Secretary.....Tallahassee

EXECUTIVE COMMITTEE

L. B. McLeod, Chairman.....Orlando
John E. Ballenger.....Lakeland
J. L. Cone.....Tampa
S. B. Brinson.....Tampa
J. E. Dodson.....Miami
J. D. Manly.....Leesburg
Chas. W. Smith.....Pensacola
W. H. Faulk.....Cocoa
Carl G. Rose.....Ocala

State Chamber of Commerce

W. C. Sherman, President.....Panama City
Harold Colee.....Jacksonville
Vice President and General Manager
J. D. Ingraham, Treasurer.....Jacksonville
Wm. L. Wilson.....Jacksonville
Corporate Secretary

VICE PRESIDENTS AT LARGE

Ed. R. Bentley.....Lakeland
Bryan C. Hanks.....Miami
N. P. Yowell.....Orlando

DISTRICT VICE PRESIDENTS

Hunter Brown.....Pensacola
M. M. Parrish.....Jacksonville
J. H. Therrell.....Ocala
Bayard S. Cook.....St. Petersburg
T. F. Fleming.....Ft. Lauderdale

Federal Works Agency

PUBLIC ROADS ADMINISTRATION

Chas. D. Snead.....Montgomery, Ala.
District Engineer
R. B. Smith.....Tallahassee
Highway Engineer
Guy L. Smith.....Tallahassee
Highway Engineer
W. N. Ryerson.....Tallahassee
Associate Engineer



State Road Department

Thomas A. Johnson, Chairman.....Tallahassee
Jack F. Townsend, Sr., Member.....Lake Wales
James R. Stockton, Member.....Jacksonville
O. G. Lindsey, Member.....Miami
C. Fred Ward, Member.....Winter Park
H. H. Baskin, Secretary.....Tallahassee
R. J. Waterston, Jr., Auditor.....Tallahassee
T. M. Shackelford, Attorney.....Tallahassee

ENGINEERING DIVISION

J. H. Dowling, State Highway Engineer.....Tallahassee
L. K. Cannon, Assistant Highway Engineer.....Tallahassee
E. C. DeGarmo, Assistant Highway Engineer.....Tallahassee
W. A. Kratzert, Maintenance.....Tallahassee
E. S. Fraser, Bridges.....Tallahassee
C. P. Datson, Plans & Surveys.....Tallahassee
H. C. Weathers, Tests.....Gainesville
W. M. Parker, Research & Records.....Tallahassee
C. J. DeCamps, Right-of-Ways.....Tallahassee

DIVISION ENGINEERS

FIRST DIVISION

J. W. Allen.....Bartow
S. P. Turnbull, Assistant.....Bartow

SECOND DIVISION

John R. Slade.....Lake City
Jas. A. Winfield, Assistant.....Lake City

THIRD DIVISION

H. H. McCallum.....Chipley
J. P. Herndon, Assistant.....Chipley

FOURTH DIVISION

N. S. Emery.....Ft. Lauderdale
J. M. Watson, Assistant.....Ft. Lauderdale

FIFTH DIVISION

W. D. LeVeille.....DeLand



Department of Public Safety

J. J. Gilliam, Director.....Tallahassee
W. B. Lindsay, Executive Officer.....Tallahassee

DISTRICT HEADQUARTERS

Lieutenant Reid Clifton
Highway Patrol Office.....Chipley
Lieutenant A. C. Yonally
Highway Patrol Office.....DeLand
Captain Fitzhugh Lee
Highway Patrol Office.....Lake City
Captain H. C. Martin
Highway Patrol Office.....Bartow
Captain Stuart A. Senneff
Highway Patrol Office.....Ft. Lauderdale
Sergeant Tobe A. Bass
Highway Patrol Office.....Ft. Myers

EDITORIALS

Tenth Anniversary

THIS ISSUE begins the tenth year of *Florida Highways*, the second of its rejuvenation and reorganization as a magazine of general interest rather than one devoted exclusively to the activities of the State Road Department.

Despite reverses due to conditions over which no one had control, *Florida Highways* has gone a long way during the past year and, according to hundreds of letters of favorable comment, appears to have found a permanent place in the ranks of Florida publications devoted to the greater expansion of the State's resources.

Because of the liberal support of advertisers (*Florida Highways* is not published at State expense) the magazine has been able to publicize some of Florida's noteworthy attractions which, because they do not bring direct benefit to anyone, have not enjoyed the publicity they deserve. It has been able to further acquaint Floridians with some of its State institutions. By story and picture, it has brought new light to some of the State's resources which had heretofore been overlooked.

It is proper that the policy of *Florida Highways*, announced just a year ago, be reiterated here and now:

To authentically inform the public of the official activities of the above-named departments without cost to taxpayers of the State;

To urge, encourage and promote complete cooperation between the public, State agencies and the Federal government in National Defense;

To inspire efficiency, loyalty, courtesy and desire for intelligent public service among the officials and employes of the State of Florida;

To acquaint taxpayers with the manner in which their money is being spent for construction and improvement of highways, public works, public safety and the administration of other public affairs;

To advance public safety through coordination of education, engineering and enforcement;

To offer a medium for tourist information on highway conditions and to direct visitors to the various points of interest in the State over the shortest and most pleasurable routes;

To publicize the many historic spots, sportsmen's havens, rest resorts, natural phenomena and resources with which, heretofore the State's visitors have been little acquainted;

To assist in the beautification of the State's highways, conservation of its natural resources and the development of its industrial, agricultural and commercial possibilities.

We believe readers of *Florida Highways* during the past year will agree that the magazine has rigidly adhered to this policy to the best of its ability, and the support that has been given it by Florida commercial interests. As proof of the publication's favorable reception we present herewith some of the comment of Floridians:

HAROLD COLEE, executive vice president of the Florida State chamber of commerce: "I'd say the magazine is thoroughbred."

WALTER J. MATHERLY, University of Florida Dean of College of Business Administration: "It fills a definite need in Florida."

ARMSTEAD BROWN, Chief Justice of Florida Supreme Court: "Interesting and valuable. Best wishes."

JOHN G. BAKER, Orange County Judge: "There's no

doubt but that a periodical of this nature is needed in Florida and I do not believe it could be in better hands."

CARL D. BROREIN, President Florida State chamber of commerce: "The magazine is interesting, and I believe will serve the State as well as the highway department excellently."

MRS. W. H. COVINGTON, President Florida Federation of Garden Clubs: "Very interesting and contains much information which I am particularly happy to have in my files at this time."

T. E. HATTON, Secretary Bradenton chamber of commerce: "It really has a punch and should be of interest to anyone who is Florida minded."

MARIAN HOBSON, Sarasota chamber of commerce: "Believe it will find an immediate acceptance among Floridians and others."

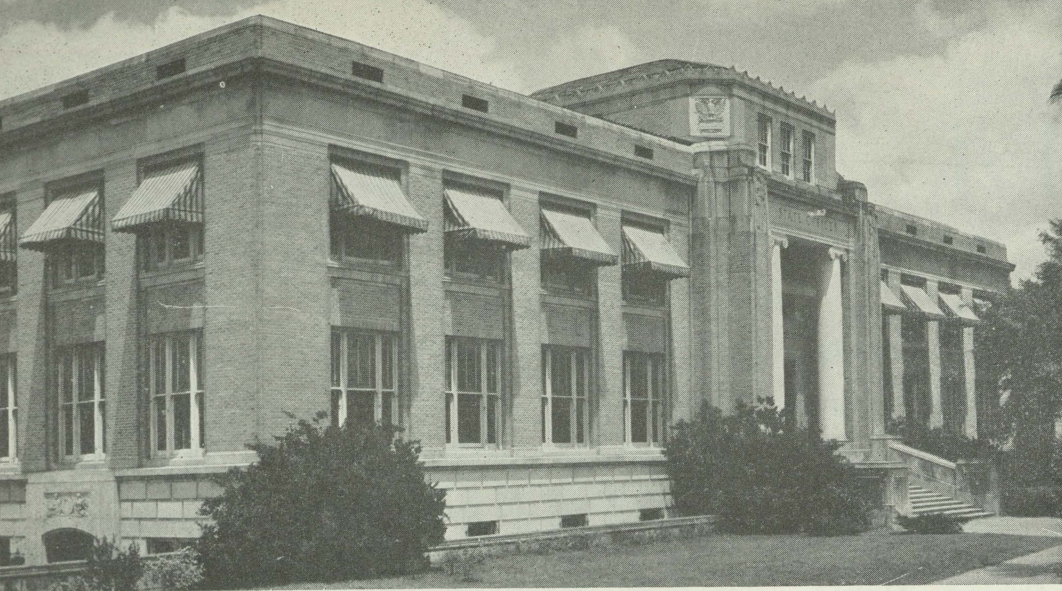
BOB RAINEY, Pensacola News-Journal: "It's a peach!"

R. O. RIDDLE, Secretary Florida State Hotel Association: "If you keep up this pace, believe you will really go somewhere."

Press comment, too, has been gratifying. Florida newspapers, usually reluctant to approve a new magazine due to the fact that many have been started and few have lived more than a month or two at the height of the season, have been liberal in their praise of *Florida Highways*. A sample of comment comes from the *Lakeland Ledger* which says: "Some department publications in Florida and other States are mostly dry compendiums filled with unimportant and uninterpreted statistics. *Florida Highways* has variety, punch and timeliness." As to other monthly publications in the State, we quote from the *Florida Municipal Record*: "The need for such a general type Florida publication has been universally felt."

The entry of the United States into World War II has, of course, had its effect on the size and appearance of the magazine. Costs have gone up and mechanical operations expense are considerably higher than when the rejuvenated magazine made its appearance. However, the publication is receiving just as enthusiastic cooperation from State officials and from the heads of State institutions, and from those who are interested in Florida's attractions and their development, as ever. The publishers will continue to maintain the high standard of the magazine and wish now to express their thanks to those who, through their financial support in its advertising columns, are making its continued publication possible.

There is no question but that Florida will be the mecca of hundreds of thousands of discharged officers and soldiers when final victory is attained. It is highly important that we keep Florida uppermost in their minds and a not inconsiderable portion of the magazine's circulation is going into the numerous military camps in the State. Paid circulation of *Florida Highways* has reached a point where distribution costs amount to a major item in the expense of publication.



This building, headquarters of the State Road Department in Tallahassee, has become almost as important as the headquarters of a high-ranking army officer in the National war effort. Here are planned the strategic network of highways needed for the swift movement of troops and munitions and the access roads needed for the efficient operation of the many military and naval training posts in Florida. Already more than \$10,000,000 has been put into such highways in Florida.

SRD Helps Toward Victory . . .

A resume of State Road Department's activities in cooperating with the Army and Navy to provide adequate highway transportation facilities in Florida.

ACTIVITIES of the State Road Department in providing highway transportation facilities to serve the Army and Navy comprise two main objectives, the first of which has been to cooperate with these agencies in providing the access roads from the main highways to the various military and naval bases established in the State. The second main objective has been to work toward the strengthening of a main highway system designated by the military authorities as the strategic network over which the movement of military traffic will be largely confined in cases of emergency or during maneuvers.

In the expenditure of our funds for normal construction operations it has been our main purpose to improve the important highways designated as the strategic network, and a large proportion of our construction has been on these routes. Federal-aid funds must of necessity, by regulation, be expended either for improving the strategic network, or for construction of access roads to military and naval establishments. By access roads is meant roads leading from the main highways to the bases, or roads that otherwise would not be constructed except for the military or naval activity in a particular area.

It is with the latter class, or access roads, that serve the principal military and naval establishments located near Pensacola, Tallahassee, Tampa, Sebring, Jacksonville, Cocoa, Starke, Opa Locka, Orlando, Valpariso, Panama City, West Palm Beach, and Key West that we will deal with in the following discussion.

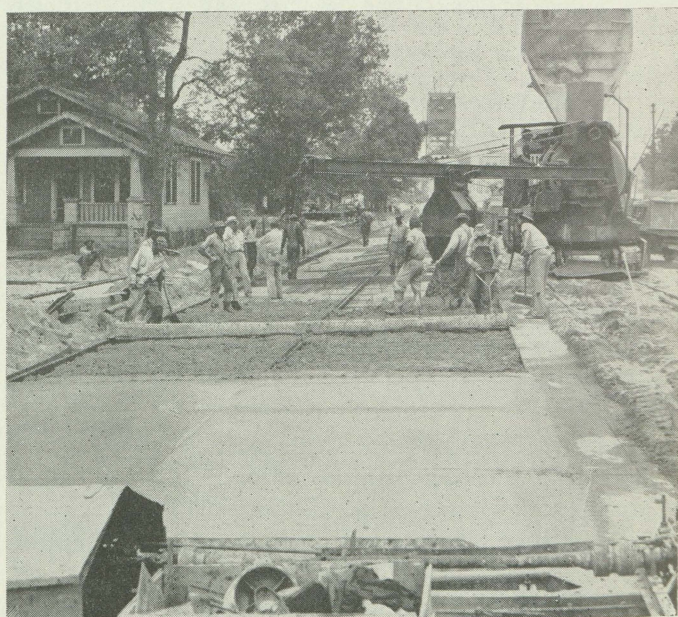
Near Pensacola there is the U. S. Naval Air Station and Army establishments at Fort Barrancas and Fort McRae. In connection with the U. S. Naval Air Station there are various outlying fields to which access is necessary. Another problem in connection with the U. S. Naval Air Station is to furnish a separate main transportation artery between Pensacola and the main Naval

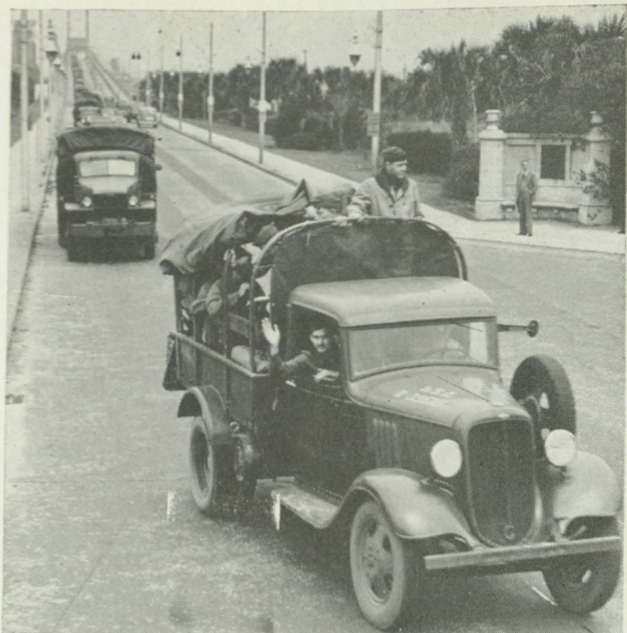
By H. W. Overstreet
Federal Aid Engineer, SRD

Air Station since the existing transportation facilities cannot handle traffic in a satisfactory manner. To accomplish this latter objective contracts have been let and work is proceeding on a new four-lane highway of concrete construction including a grade crossing separation structure over the L. & N. Railway and two parallel bridges over Bayou Chico, all of which will relieve traffic congestion on the existing route. This work is being done at a total estimated cost of \$660,000.00, with Federal participation in the amount of \$416,000.00.

Access roads in the vicinity of Pensacola to serve out-

Typical construction scene on Florida highway. This road will meet all specifications of the Federal government and forms a connecting link between important military and naval posts.





Scenes like the one above and the other at bottom of this page are commonplace in Florida today as troops are trained for war. They show the importance of permanent construction of sufficient width to carry military columns to and from posts. The illustrations on this page are official U. S. Army photographs.

lying flying fields are to be constructed as soon as plans are completed. A small expenditure toward this purpose has already been made by the State Road Department and a larger expenditure amounting to \$418,000 is estimated to be made from Federal funds in constructing such access roads as are selected by the Army and Navy as necessary to serve their fields. These access roads will be of an intermediate type of construction, consisting of either a sand-clay base with bituminous surface treatment or of sand-bituminous road mix to serve two lanes of traffic. These roads will be used largely for ambulance service and as a means of transporting gasoline and equipment to the various outlying fields.

At Dale Mabry Field near Tallahassee our main problem was to construct a road to replace a portion of existing State Road 500 which was abandoned due to expansion of the Army's facilities at this base. This project has been completed at an estimated cost of \$328,000.00, with Federal participation in amount of \$232,000.00. A portion of this by-pass is located on State Road 76 which is one of our main highways and consequently is constructed of cement concrete for two lanes of travel. A small portion of the by-pass is a connection between existing Road 500 and State Road 76 and is constructed of an intermediate type pavement consisting of a sand-clay base with bituminous surface treatment and provides for two lanes of travel. At this base we have cooperated with the WPA in preparing plans and furnishing engineering on an access road leading from Road 500 to the south entrance of the base.

Located south of Tampa is MacDill Field, the Southeastern Army Air Base which is the headquarters of the Third Air Corps. Here it was necessary that a road be provided leading from Tampa directly to the air base, a distance of approximately 6.5 miles. To accomplish

this we have constructed a cement concrete pavement including an overpass structure at an estimated cost to the State of \$242,000.00 and with Federal participation in amount of \$135,000.00. In addition, the WPA furnished some material and labor. It is planned to extend this road northerly to Drew Field which is an outlying field in connection with the main base at MacDill Field. No method of financing this extension, which will consist of 4.3 miles, has been agreed on but plans are being prepared by the State Road Department in order that these may be ready when means of financing this project are available.

To serve the Army Air Base near Sebring the State Road Department in connection with the WPA has constructed an access road between State Road 8 and the main gate of this headquarters. This project is slightly over two miles long and has been constructed at an estimated cost to the State of \$50,000.00. In connection with this base it is planned to construct an access road approximately nine miles long leading from Avon Park to the main bombing range near the Kissimmee River. It is planned to construct this project with 100 percent Federal funds as soon as plans are completed. The estimated cost of this project is \$390,000.00.

To serve the Southeastern Naval Air Station located south of Jacksonville we have constructed a four-lane highway between the air base and the city of Jacksonville. This construction is of cement concrete and includes parallel bridges over the Ortega River. This work has been done by the State Road Department with the WPA furnishing some labor and material. The State Road Department's participation is estimated to be \$892,000.00.

To serve this base and outlying fields we also plan to construct several other roads in the vicinity, particularly the improvement of State Road 3 between Orange Park and Green Cove Springs leading to Lee Field, which we plan to do with 100 percent Federal funds. Other roads in this vicinity will consist of the improvement of State Road 376 between Jacksonville and Jacksonville Beach on which work is in progress, and also to provide an adequate transportation facility between Atlantic Beach and Mayport, as well as improving Timpanua Road leading to an (Continued on page 16)





FLORIDA FOURTH ESTATE

The Family Car

During the current gasoline rationing program on the eastern seaboard, many newspapers and radio commentators repeatedly have referred to the family automobiles as "pleasure cars." Even some Federal agencies concerned with highway transportation occasionally overlook the full utility of the passenger automobile and revert to the term "pleasure car."

Mother drives the children, not for the pleasure of the ride, but in the interest of time and the health and safety of the little ones. Likewise, when she drives to market for groceries, she goes not for the pleasure of the ride but because use of the family car provides more convenient and economical shopping.

In millions of American homes the family automobile is an even greater part of daily life than vacuum cleaners, washing machines or mechanical refrigeration.

Aside from the important job of getting the breadwinner to and from work, the family automobile today is employed in many ways which should be classified as essential.—*Tampa Tribune*.

If we lose the war don't forget there is a little matter of indemnities we'll have to pay. The amount will make our present National debt look like a Sunday school collection.—*Eustis Lake Region*.

In view of the tire shortage, we wouldn't be surprised if the old-fashioned rubber plant got the place of honor in the parlor.—*St. Petersburg Times*.

A Washington observer says dollar-a-year men are classified in six grades, a process otherwise known as discounting the dollar.—*Miami News*.

That war garden may raise little besides blisters, callouses, but makes one feel more useful anyway.—*Titusville Star-Advocate*.

If we have a scarcity of metals, we hope the first result is an acute shortage of tin horn sports.—*St. Petersburg Times*.

The outstanding patriots are rarely the ones who make the most noise about their patriotism.—*St. Petersburg Independent*.

The French must wonder at times why the honor of France requires them to fight only their friends.—*Miami Herald*.

Money talks—but it doesn't say an awful lot until it grows up.—*Sanford Herald*.

Be sure the information you get is not misinformation.—*Bunnell Tribune*.

Some married folks get along because they do as she likes.—*Sarasota Herald*.

Florida can entertain a lot of visitors from the southeastern States this Summer, and we hope it may have the opportunity. Despite the fact that military centers have developed "housing shortages" in some areas, there are many communities where accommodations are available—and at modest rates. War work of one kind and another has upset our normal routine. In some instances it has upset the businesses of persons who have been unable to find a niche in war industry, wherein and whereby, they may replace vanished income. Many of these will find it highly advisable, during the Summer season (and the Winter, too, for that matter) to entertain visitors. Florida offers opportunities for recreation and outdoor life—and continues to welcome visitors, at all seasons.—*Times-Union*.

A news item declares that because of a paint shortage the highway center line may soon disappear. But isn't this going to make it awfully hard for the road hogs to stay exactly in the center of the highway with no lines to straddle?—*Brunswick News*.

While Floridians are helping win the war, it is important to help keep our State on a stable basis. Invite your friends elsewhere, to spend some of their vacation-time in Florida.—*Times-Union*.

People who are anxious to know when the war is going to end should remember that it is more important to know how it is going to end.—*Sanford Herald*.

One trouble with this war is that Japan is no longer paying money for the scrap iron she is getting from us.—*St. Petersburg Independent*.

Now you have three good reasons for not speeding. You can save rubber, gasoline and perhaps your skin.—*Sanford Herald*.

Advance spring tip: labeling each garden helps you to remember what it is that isn't coming up.—*Tallahassee Democrat*.

There would be even less reckless driving if the standard fine on conviction was one tire.—*St. Petersburg Independent*.

Those Jap raiders at Dutch Harbor were probably looking for America's Shangri-La base.—*Titusville Star-Advocate*.

The man who brags about how much sense he has, shows he hasn't much to brag about.—*St. Augustine Record*.

Stretch your rubber supply by stretching your legs oftener.—*Plant City Enterprise*.

Our habits are being changed daily but never our purpose.—*Lake City Reporter*.

Peanuts Are Promoted

Growing peanuts in Santa Rosa County is going to have a large place in our agricultural program this year. We heard a gentleman contracting for 26 bushels of seed a few days ago, and we know of several farmers who contemplate planting 40 acres or more this season. Thus the lowly goober seems to be coming into its own in a big way.—*Milton Gazette*.

Remember the men in our armed services—and one of the best methods you can use to emphasize your appreciation of the sacrifice they are making today, and the greater sacrifice they may make, tomorrow: Invite as many of them as possible, to share a meal with you, or arrange some little outing or recreational event.—*Times-Union*.

It won't be such a great loss if the government bans some of the radio programs, and included in the list could be some of the news commentators. After all, their opinions are not any better than the average person's.—*Wauchula Advocate*.

Healthful exercise is what a man gets on a golf course that he can't possibly get from running the lawn mower, digging in the garden, or beating a rug.—*St. Augustine Record*.

Hitler's plans for a Spring offensive are in doubt—but there's no doubt that he has been offensive to most of the civilized world from the beginning of his career.—*Tampa Tribune*.

An economist is a fellow who gets paid for making phony predictions and thinking up economic schemes that won't work.—*Punta Gorda Herald*.

The German people should be used to poison gas. They've been getting it for years from Hitler.—*Sarasota Herald-Tribune*.

Maybe birds don't hibernate, but the dove of peace seems to have gone in for all-out retirement.—*St. Petersburg Times*.

With tire rationing, the old gray mare is very likely to be what she used to be.—*Ft. Lauderdale News*.

People who only write or talk may serve, but it takes fighting men to save a Nation.—*Key West Citizen*.

People who long for the good old days would hate to read this stuff by a candle.—*Bradenton Herald*.

Every special group has special reasons to justify its special privileges.—*Bunnell Tribune*.

Accomplishments of Forest-Park Service

SEVERAL Federal and State agencies are responsible for developing and executing the forestry program on Federal, State and private lands in Florida. The U. S. Department of Agriculture, through the U. S. Forest Service, is responsible for the administration of the National Forests, and assists the State forestry department in cooperative fire control, tree planting, and forest management programs. The U. S. Department of Agriculture, through the Soil Conservation Service, administers some Federal lands and cooperates with the State forestry department and the Agricultural Extension Service in providing forestry information to the farmers.

The responsibility for assisting private timberland owners in forestry programs rests with the State forestry department known as the Florida Forest and Park Service. Our program is also actively supplemented by the work of the Agricultural Extension Service which works with the farmer on forest woodlands.

The principal objective of all these agencies is to assure the continuous production of forest crops from forest lands in the State. The biggest job confronting us today to attain this objective is the prevention and suppression of uncontrolled forest fires. Uncontrolled forest fires remain our greatest enemy, because it is estimated that about 45 percent of the drain on the forest products goes up in smoke without producing revenue for anybody.

The Florida Forest and Park Service cooperates with landowners and counties under three types of agreement to accomplish this purpose. Landowners who are able to provide their own fire-fighting labor can obtain protection by paying 3c an acre a year, which is matched by an equal amount of Federal and State funds. The service provided includes detection of forest fires, reporting them to the labor either by telephone or radio, and assistance in the supervision and training of the fire-fighting crews. Where one or more landowners are unable to provide fire-fighting labor, and the aggregate acreage consists of 50,000 acres or more, the landowners will pay 5c per acre per year or more which is matched by 3c from the Federal and State funds, and the area will be organized for complete fire control with the State assuming all responsibility for detection, communication and suppression. There are approximately 581 landowners now cooperating with the Florida Forest and Park Service under these two types of agreements.

We also cooperate with county commissioners in the control of forest fires throughout the entire county in those cases where the people have voted favorable to this service. In those counties where the county commissioners are authorized to pay a fire-control assessment amounting to 3c per acre per year from tax funds, all property owners contribute to this service and the State and Federal governments match the county's contribution with an equal amount. Our State department assumes all responsibility for prevention and control of

By H. J. Malsberger

State Forester

forest fires in these counties. At the present time there are seven counties cooperating under this plan.

The total protected acreage in the State today on State and private lands amounts to about five million acres. The Federal agencies protect approximately two million additional acres. The fire loss on the lands being protected under our supervision amounts to about 2.5 percent burn. This figure indicates that organized fire control is entirely feasible on those properties where the landowners show a real interest in preventing and suppressing forest fires.

It is to be observed that in Florida landowners have the right to burn their forest land as long as it is confined to their property. Leases are also executed containing the provision to burn, and on these lands forest fires cannot legally be stopped as long as they are confined to that property. This is the explanation for noticing many wild fires throughout Florida, although our department is sometimes held accountable for forest fires burning on these lands which are not cooperating with us in the fire-control program. As long as our funds last we extend financial assistance and cooperation to all landowners and counties desiring protection.

Our services are not only confined to those landowners who contribute to the cost of fire protection. Forest management services are extended to farmers and landowners, whether they be cooperators or non-cooperators in the fire-control program, in providing information which will lead toward better forest cutting practices. Contacts are made throughout the State with these landowners and suggestions offered as to the manner of cutting forest products for the highest use which will provide the most income to the landowners and at the same time retain a sufficient amount of young growing stock to make the forest continuously productive. We recognize that there are some forest lands in Florida which are being destructively cut and that this problem could best be met by increasing State and Federal financial assistance to the farmer and forest landowner which will make it unnecessary to destructively deplete the growing stock on account of economic necessity.

Our forest tree nursery at Olustee produces five to six million seedlings annually which are purchased by farmers and forest landowners throughout the State at cost, amounting to \$1.75 per thousand at the nursery, or \$2.35 per thousand delivered anywhere in the State. These trees are planted on worn-out agricultural lands or forest lands which have been prevented from obtaining a complete stocking caused by forest fires or an insufficient number of seed trees. We are maintaining accurate records on a few of these plantations throughout the State and recently a 12-year-old plantation was thinned for pulpwood and produced \$2.00 per acre, leaving pulpwood valued at \$15.00 per acre in high quality, thrifty trees. This is indicative of the growing capacity of our forest lands and the revenue which can be obtained from fully stocked (*Continued on page 19*)

Florida Caverns--Underground Wonderland

The Scoggin, Simpson & Giovannoli byline on this article is a combination of the names of Lewis G. Scoggin, director of State Parks and responsible for much of their development, J. Clarence Simpson and Leonard Giovannoli. Mr. Simpson is park superintendent at Florida Caverns and has served several years with the Florida Geological Survey. He is well qualified to discuss the geological history of the caves. Mr. Giovannoli is park manager at Florida Caverns and a qualified biologist. He received his M.S. degree in biology at the University of Florida and has been on several collecting parties to Mexico and other places.

By Scoggin, Simpson & Giovannoli

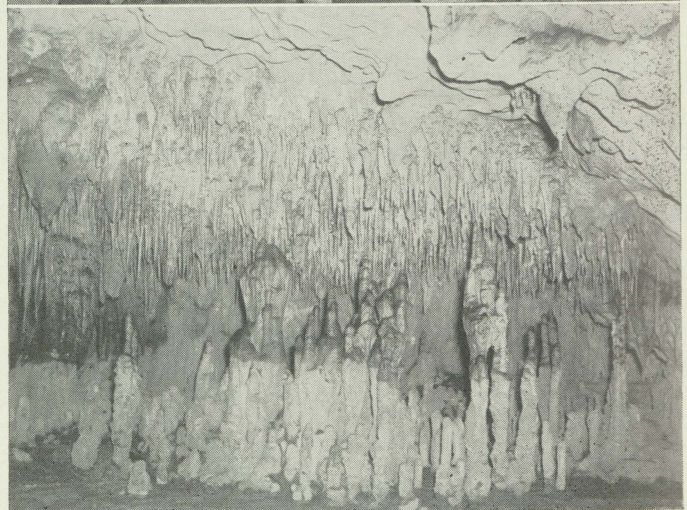
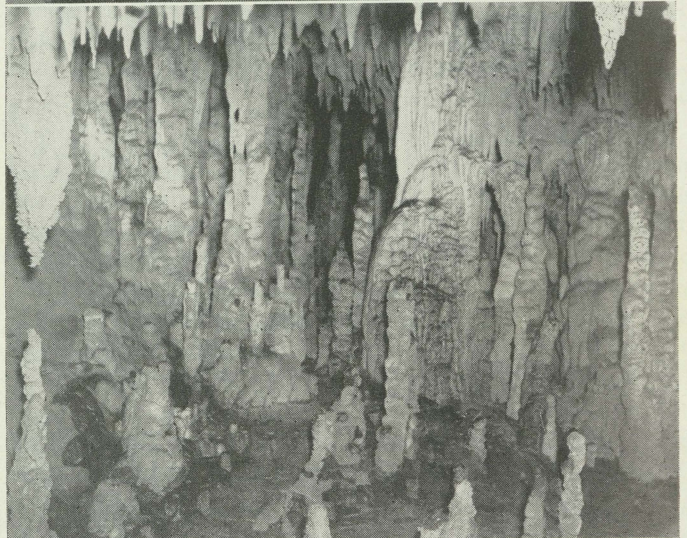
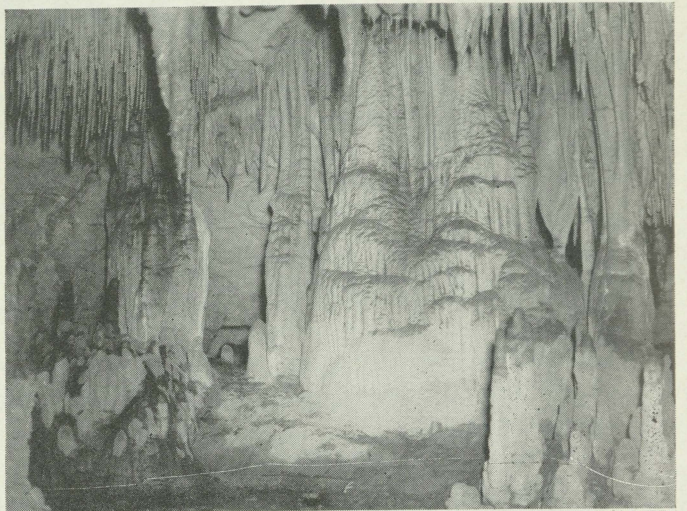
IN THE VICINITY of Marianna, in the valley of the Chipola River, are present all the necessary conditions for producing one of nature's marvels, a beautiful cave. Most of Florida has the necessary limestone; many parts of the State have enough elevation and relief and some actually have caves, but only in the Chipola Valley do the caves have the crystalline formations that make them more than a mere cavity in the rock.

To preserve and properly display some of these underground wonders, the Florida Forest and Park Service is developing a State Park about three miles north of Marianna. Within this area of about one thousand acres are many caves, large and small, many known for years and still others yet to be discovered. One of these caves, recently discovered with all its beautiful formations still unspoiled, has been selected for display. Electric lights have been installed that bring out the many soft, natural colors. In some places colored lights have been added to give weird and beautiful effects. Walkways have been prepared enabling the visitors to comfortably walk through the caverns.

Visitors will be interested to find that the temperature in the caves remains at approximately 63 degrees F. during summer and winter. The caves are perfectly air-conditioned and visitors never experience oppressive atmosphere.

As visitors walk through and see icicle-like formations hanging down from the ceiling, heavier ones projecting from the floor, columns that seem to help support the rock above, small passages extending in many directions, sea shells imbedded in walls and ceiling, many questions come to their minds. Many of these questions are answered by the geological story of this region.

In ancient times much of Florida and of adjacent States was covered by warm, shallow seas. In the bottom of this sea about eighty million years ago, a thick layer of calcareous ooze was deposited. As marine animals died their shells settled into this material. As the ages passed, this layer became harder and other layers were added. The levels of the sea and the land fluctuated and these deposits became rock. This particular limy layer, known as the Ocala Limestone, is present today over practically the entire State of Florida. The many



The three views above show formations of some of Florida Caverns, new State Park which is scheduled to be opened to the public next month.

sea shells in it give clues to its age and the steps in its formation. In many places the upper layers have been eroded, leaving the Ocala near (Continued on page 17)

CAPITAL CHATTER . . .

VICTORY! By united effort, by individual service, buy bonds! That is the slogan of the Florida State Road Department as displayed on a special cachet on all outgoing mail . . . Tallahassee again finds itself a one-newspaper town with the suspension of publication of the *Florida State News* for the duration . . . Ben H. Dickens, Port St. Joe, has been appointed convict supervisor for the second congressional district to succeed the late T. B. Johns, Jasper. Dickens has been an investigator for the State Prison Board for five years . . . State Treasurer Ed Larson is giving full cooperation to the War Damage Corporation in matters relating to war risk insurance . . .

The State cabinet has made available \$2,500 to the State Board of Health for the purchase of insulin for indigent diabetes patients . . . Frank Hobbs, Tampa attorney, has been employed "on an experimental basis" to attempt to collect payments due the State hospital from patients able to pay . . . Governor Holland and State School Superintendent English have appealed to school teachers to attend special courses at the University of Florida next month so they can teach pre-flight training in Florida public schools.

Resignation of C. C. Vega, Jr., Tampa, as member and secretary of the State Racing Commission has been accepted by Governor Holland. Vega is entering the Army . . . O. Lloyd Meehan, aquatic biologist of the Welaka fish hatchery, has been appointed assistant chief of the division of fish culture, Washington . . . Reduction in revenues will forbid the State Department of Agriculture financing fat stock and hog shows at fairs this Fall, according to Commissioner Nathan Mayo . . . Some fairs may fold up as a result of this move, combined with the gas and tire shortage . . .

Capitol visitors will get their information from a newsstand run by a blind person, according to action of the State cabinet approving a proposal by R. H. P. Johnson, representing the Council for the Blind. His compensation will come from sales, the 1941 legislature having provided the information booth but no salary . . . 39 Chinese aviation

cadets received their diplomas at Dale Mabry Field here this month, the first group of Chinese to complete aviation training in the United States . . .

Insurance premium taxes and agents' licenses produced \$1,420,-288.99 during the fiscal year ending June 30, according to Treasurer Ed Larson who also is insurance commissioner . . . J. W. Corbett, Fort Pierce, has been appointed to four-year term on the State Game and Fresh Water Fish Commission . . . Agriculture Commissioner Nathan Mayo announces that the U. S. Department of Agriculture will continue its Southern egg buying program, making purchases through State farmers' markets at Live Oak, Marianna, Monticello, Dade City and Sanford . . .

Uncle Sam will get the rubber mats formerly used under cuspidors in State capital buildings, according to announcement of Secretary of State R. A. Gray, who is building custodian. If they cannot hit the cuspidor, we'll use some other material as an apron, said Gray . . . Dr. Henry Hanson, international authority on yellow fever, malaria and tropical diseases, has been appointed State health officer by Governor Holland succeeding Dr. W. H. Pickett, resigned . . .

Mrs. Susan Bradford Eppes, 96, granddaughter of John Brach, Florida's last territorial governor, died here July 2 . . . Dr. Kathryn Abbey Hanna, Winter Park, has been reappointed to the State Library Board . . . James R. Towers, Key West, has been appointed to the Overseas Road and Toll Bridge Commission to succeed Dr. Armando Cobo, Key West, resigned . . .

Income tax returns (U. S.) were filed by 141,205 Floridians, according to report from Washington—11,000 more than were filed from Georgia and 41,000 more than were filed from Alabama . . . Col. James F. Doherty has assumed command of Dale Mabry Field succeeding Col. Jacob Wuest . . . Final monthly payment for the term of \$1,422,455 to school teachers left \$133,000 in the salary fund which probably will be turned over to the general revenue fund . . .

Eight more air stations and sev-

eral auxiliary fields of the U. S. Navy will be established soon in Florida, according to Admiral A. B. Cook who recently lunched with Governor Holland . . . Kenneth Ballinger, assistant attorney general, has been ordered to active duty as a captain in the air service . . . Boys of the Florida Industrial School are not available for work on private farms even to replace a labor shortage, according to decision of the State cabinet on a request from Jackson County . . .

Forty thousand Floridians have completed approved Red Cross first-aid courses during the first five months of the year, according to the State Defense Council . . . Alfred Young, Lake Como, has been appointed to the Putnam County commission to succeed L. P. DeWolf, resigned . . . Libraries in 13 South and Central American countries will receive volumes of summarized translations of Spanish land grants in Florida prior to acquisition of the territory by the United States. They were prepared by the WPA from records in the land office of the Department of Agriculture . . . Stafford Caldwell, Tallahassee attorney, has been retained by the State cabinet as attorney in handling the \$22,000,-000 John Ringling estate . . . Resignation of A. Rice King, Jacksonville, from the Crippled Children's Commission, has been accepted by Governor Holland. King has been called into active military service . . .

Rationing of bottle cap material may not cost the State Beverage Department as much as might be expected, according to Commissioner E. W. Scarborough. Consumption of beverages may be the same due to use of quart bottles and kegs for beer and an increased consumption of wines and liquors . . . Uncle Sam's forest holdings in Florida amount to 1,600,000 acres in four National forests, according to Frank Albert, Tallahassee, forest supervisor of the U. S. Forest Service . . .

When the State's appropriation for school teachers' salaries was paid in full on time (June 15) it was for the first time in the history of the State, according to Colin English, State School Superintendent . . . In commenting on the probability of Florida race tracks operating this Winter, Governor Holland recently said that if he were a county official he would "take a chance" on anticipating racing tax revenues in the next budget. . .

Payment of bills when they come due has netted the general operating

(Continued on page 16)

Acorn Becoming Giant Industrial Oak . . .

THE "DELAND PLAN," a little acorn of Florida's industrial participation in the Nation's effort against Hitler, Hirohito and Mussolini, is rapidly growing into a giant oak. It is a striking example of how a community may lift itself by its own boot straps and, with the leadership of the State Defense Council, may prove the means of bringing in prosperity to the entire State in the same manner.

Already 15 counties have adopted the plan, now streamlined and polished to perfection by Chester B. Treadway, State pooling coordinator and his staff, and as many more smaller counties are participating in a way that can only mean 100 percent help to Uncle Sam and an influx of outside money to communities which have never before enjoyed such industry. Eventually, the idea will spread to every nook and corner of the State and there will not be a machine shop in Florida, capable of doing so, that is not participating in defense work and sharing in the profits therefrom.

The program began when W. J. Deegan, Jr., city manager of DeLand, sought a means of helping the small machine shops of his community which were all but closed because of the priorities on materials and the scarcity of work. None of them were big enough by themselves to rate war contracts, he found, but all of them together represented facilities which could not be overlooked in the Nation's all-out effort to produce war materials. None was large enough to produce finished machines or products but all were good enough to furnish parts and accessories. He pooled the lot, named one "prime contractor," and went after work from the government. In a short time every industrial wheel in the community was turning and mechanics who had retired were coming back to work.

Starting operations in March, the State pooling organization has mastered most of the problems involved, it has found a way to get around mechanical difficulties, a method of meeting financial requirements, a means of ironing out petty jealousies among participating firms. Florida pools are now going into their second \$5,000,000 worth of war contracts and it is probable that this figure will run into many millions.

Counties which have established working pools include Bay, Broward, Duval, Escambia, Hillsborough, Lake, Lee, Manatee, Orange, Palm Beach, Pinellas, Polk, Putnam, Santa Rosa and Sarasota. Thirteen smaller counties are participating in the larger pools and it is estimated that 75 percent of the State's manufacturing resources is now engaged.

Groups of manufacturers in each county are formed into a non-profit organization. A coordinator is employed. Every machine is listed by type, age, specifications, what it will make, what tolerances it will work to. A survey is made of the community's man-power, transportation, available power and procedure capacity of the pool. These are listed with the State organization and with the War Production Board. If the pool is found to be an efficient organization, the contracts come.

HERE'S HOW STATE ASSISTS IN GETTING POOL WAR CONTRACTS

Florida industrial pools seeking war contracts are given expert aid and advice by State officials and employes experienced in the various lines of industry and business. Here are five ways help is offered by State officials and the State Defense Council:

1. Engineering: State engineers go into individual plants, helping them retool for war contracts, figure government blue prints so they can make a fair bid, give expert aid in production problems.

2. Management: State industrial experts help straighten out management problems, so that pools can promise efficiency to government agencies.

3. Financing: Financial experts on the State staff help procure finances, either locally or thru the Reconstruction Finance Corporation, to finance war contracts.

4. Bookkeeping: An accounting firm employed by the State organization helps set up simplified uniform systems of accounting in the pools, so that costs and profits can be fairly and accurately kept.

5. Contract service: Working in close cooperation with the Federal War Production Board, engineering contract officers of the State organization are stationed at Wright Field, Philadelphia, Washington and other key points obtaining contracts for the Florida pools.

Asks For Increase In Fertilizer Allowance

Florida producers are willing to respond to National call for increased production but will not be able to do so unless Federal officials raise the basic figure for fertilizer consumption from 420,000 to at least 650,000 tons, according to Commissioner of Agriculture Nathan Mayo, who has made an appeal for the increased tonnage.

Mayo pointed out that the estimate was taken from monthly shipment reports prepared by his office, but that the Federal office failed to consider that only shipments of more than one ton of mixed fertilizer were reported and that straight fertilizer materials mixed locally were not included.

Mayo also showed that during the first five months of this year, Florida fertilizer consumption had increased 10 percent over the same period of last year in response to the call for increased agricultural production to meet war demands.

How, When and Why of Crashes . . .

MAY'S TYPICAL automobile accident happened in Dade County between four and five o'clock Sunday evening and the driver was not intoxicated.

That's not exactly correct, but it is true that the most accidents reported to the Florida Highway Patrol happened in Dade, that they happened between four and five o'clock in the evening, that most of them were on Sunday and that in most of the accidents reported the drivers were not intoxicated. It also is true that the highest number of accidents (163) were caused by one motor vehicle hitting another motor vehicle and that the reason for the accident in most cases (77) was that the speed was too fast for conditions.

The patrol data for May shows that 287 accidents were reported during the month. Under the heading "What Did They Hit?" the report shows 163 motor vehicles hit another motor vehicle, 17 hit pedestrians, five hit railroad trains, four hit bicycles, three hit animals, eight fixed objects, six overturned in the road, 74 ran off the road, six had other non-collision accidents. Of the 31 fatal accidents, 12 were collisions between two vehicles, nine pedestrians were killed, two were killed in fixed object smashes and six ran off the road, the other fatalities being in a railroad-car crash and a bicyclist.

Most of the accidents, as stated above, happened on Sunday. Friday was the second unlucky day with 51, Monday and Saturday tied with 40 each, Thursday accounted for 32, Tuesday for 30 and Wednesday for 26.

Under causes for accidents the report shows that exceeding the speed limit was next to speed too fast for conditions with 69, 64 were on the wrong side of the road not in passing, 34 violated the right-of-way, 21 disregarded stop signs, 17 followed too closely, 15 made improper turns, 7 made other improper passing, 7 made an improper start from a parked position, 6 failed to signal, 5 disregarded a warning sign, 5 had improper lights, 4 disregarded stop-and-go-lights, 3 were in improper parking locations, 2 passed on a hill or curve, 2 cut in after passing.

As to condition of vehicles involved in accidents, the report shows that 40 percent of the crashes were caused by punctures or blowouts, possibly reflecting the tire shortage, 17 percent were due to defective brakes, 14 percent due to headlights being out or defective, 13 percent due to defective steering gear, 3 percent due to rear light being out or defective, 3 percent to worn smooth tires and 10 percent to other defects.

As to condition of drivers involved in accidents, the report shows that 80 percent were in normal condition, 9 percent were intoxicated, 4 percent had been drinking, 4 percent were asleep, 2 percent were blinded by lights and 1 percent other handicaps.

In summarizing its report the safety department says: "Our accident experience chart for the month of May shows speed and driving on the wrong side of the road as the two major contributing causes of accidents. The chart also shows that where either of these two factors are a contributing cause, the fatalities run high."

LIEUT. J. WALLACE SMITH IS PROMOTED TO CAPTAIN

Lieut. J. Wallace Smith, executive officer of the State Highway Patrol, has been promoted to the rank of captain. The promotion was approved by the State cabinet at a recent meeting.

Captain Smith has been holding the position and performing the work connected with it for the past year without the rank, according to Director J. J. Gilliam, head of the Public Safety Department and the Patrol.

Promotions of Sergeant Olin Hill, Bartow, to lieutenant, and Patrolman D. C. Lewis, Lakeland, to sergeant, also have been approved by the State cabinet.

Director Gilliam states that he hopes to maintain his officer strength at 120 men despite heavy losses to military service. Thirty of the patrolmen have joined up with the U. S. forces and 10 more are likely to be taken in within the next month. These have not been replaced because of the uncertainty of revenue due to gasoline and tire rationing.

St. Andrews Bay Towing & Lighterage Company

Owner

SHERMAN & SONS, Inc.

Office Phone: 880

Ship Yard Phone: 856-J

P. O. Box 609

BARGING, TOWING AND SHIPYARD

Panama City,

Florida

Resources Research Started . . .

COOPERATIVE research into Florida's resources will be conducted by a committee named this month by Dean Joseph Weil of the University of Florida College of Engineering who also is chairman of the State Defense Council's committee on resources.

The objective of the research activities will be to find all available technical and professional talent in the State that might be used in war work and the exploration of each unused economic potential which might be employed to the State's advantage during the war and after victory has been won.

The committee, which may be enlarged at any time, now includes E. P. Owens, Jr., secretary of the Florida League of Municipalities; Robert P. Leopold, economist of the Cement Manufacturers' Association; Harold Cole, executive vice president of the Florida State chamber of commerce; Dr. Herman Gunter, State geologist; Miss Isabel McKinnell of the Florida State College for Women; Dr. Allen T. Cole, phosphate chemist of Mulberry; Dean Jay F. W. Pearson of the University of Miami; Forrest D. Manning of the War Production Board, Miami; David B. Lee of the State Board of Health; Charles P. Helfenstein, executive secretary of the State Planning Board; Norman F. Six of Tampa; Russell Seymour, Jacksonville architect; Maj. M. M. Frost, Tampa; Robert F. Smith, Coconut Grove.

WATCH ANIMALS AGAINST DISEASE, WARNS KNAPP

Farmers and stockmen are warned to watch their animals for any outbreak of disease as an extra precaution against a reduction in the "food for victory" campaign in a statement issued by State Veterinarian J. V. Knapp.

"Vigilance against livestock disease is now a patriotic duty," said Dr. Knapp, "for we have the job of feeding both ourselves and our allies. Every pig, cow or chicken that we can save helps us on our road to victory."

GAS TAX REVENUE DROPS BY \$586,224

State revenue from the gasoline tax dropped \$586,224 in May under May of last year, according to report from the comptroller's office. Consumption fell off by 8,374,630 gallons, total receipts running \$1,887,180 compared to \$2,473,404 for the same month last year.

Leo Stalnaker, Tampa, was restored the right to practice law by the supreme court this month. He had been suspended from the Florida bar in 1930 pending payment to a client, a minor orphan, \$9,000 which he lost in speculation. The court held that Stalnaker had made sufficient restitution.

DENTAL EXAMINERS NAME NEW OFFICERS

Dr. H. B. Pattishall, Jacksonville, has announced the following officers elected by the Florida State Board of Dental Examiners:

Dr. Fred M. York, St. Petersburg, chair-

man; Dr. L. D. Pankey, Coral Gables, vice chairman; Dr. Pattishall, secretary-treasurer; Dr. A. B. Whitman, Orlando, and Dr. W. G. McLeod, Pensacola.

FLORIDA STEEL PRODUCTS, Incorporated

Reinforcing Steel and
Road Accessories
TAMPA, FLORIDA

THACKER AND VAN GILDER

Morticians

AMBULANCE SERVICE

SARASOTA,

FLORIDA

MILFORD'S SERVICE STATION & GARAGE

24-Hour Wrecker Service
Phone 5-1542

2001 Atlantic Boulevard
SOUTH JACKSONVILLE, FLORIDA

Plymouth Citrus Growers Association

ORGANIZED IN 1909

R. T. CARLETON

Secretary-Manager

PACKERS AND SHIPPERS OF CITRUS FRUITS

Mayflower and Plymouth Rock Brands

PLYMOUTH, FLORIDA

PHONES—Office 3401 - Res. 2064

P. B. GOETHE

Manufacturer of

FRUIT AND VEGETABLE CONTAINERS

MOUNT DORA, FLORIDA

M. O. HUCK PAINT COMPANY, Inc.

ENGINEERING - STRUCTURAL & SPECIFICATION PAINTS

Spray Painting - Heavy Duty Steam Cleaning Equipment

JACKSONVILLE

FLORIDA

TRACTORS
DRAG LINES
ROLLERS
SCRAPERS
ETC.

ROBERT J. DILL CONTRACTOR

Phone: 5-4544—5-2123
1525 BARNETT BUILDING

P. O. Box 176
JACKSONVILLE, FLA.

GRADERS
BULL-DOZERS
TRUCKS
CONCRETE MIXERS
ETC.

Must Cut Speed, Says Sherman . . .

UNLESS SPEEDS are reduced and overloading of trucks discontinued persons now receiving tires from rationing boards will find themselves unable to get more.

This was the warning issued by Walter C. Sherman, State director of the OPA, in announcing that a force of inspectors has been placed throughout the State to check up on excessive speeds, overloading and ineligible use of motor vehicles on the highways of the State. The license numbers of violators will be taken and turned over to local rationing boards with instructions that they deny further service to the vehicle owners.

Director Sherman also criticized owners of cars granted special tire privileges because of professions and of light pickup trucks seen going down highways with fishing poles sticking out of their rear ends.

"Tire rationing regulations were not made to permit rubber being burned up on pleasure trips," said the director. "Nor is the visiting of night spots considered an essential war activity."

Director Sherman said that his drastic action was brought about after personal observation and the receipt of reports from businessmen and other citizens who are living up to their obligation to save gasoline and rubber for the war effort.

He declared that rationing boards have the authority to refuse gasoline cards or tire replacements to vehicles which travel more than 40 miles an hour or which are used for purposes not essential. Trucks are not permitted to travel at more than 35 mile an hour when loaded or 40 miles an hour when unloaded.

"There are but few occasions when even police officers or physicians need to travel more than 40 miles per hour," said Director Sherman.

BAR COMMITTEE TO URGE LEGISLATION

Charged with the duty of securing passage in the 1943 legislature of a law authorizing the legal profession to weed out members disregarding their responsibility to clients, the courts and the public, a committee has been named by P. Thomas Gurney,

newly elected president of the Florida State Bar Association.

The committee follows:

Dewey A. Dye, Bradenton, chairman; E. Calvin Johnson, Tampa, vice chairman; Chester Bedell, Jacksonville; Harrison Barringer, Sarasota; Judge Roy Chapman, Tallahassee; Wallace E. Sturgis, Ocala; James Nemeo, West Palm Beach; LeRoy Collins, Tallahassee; James A. Franklin, Fort Myers; L. C. Crofton, Titusville; John Dickinson, St. Petersburg; Evans Cray, Stuart; George Leard, Hollywood.

LIQUOR PRICE-FIXING LAW UNCONSTITUTIONAL

Holding that the 1941 law fixing the retail price of liquor at 40 percent above the wholesale price is not one "designed to affect the public health, safety or welfare," the Florida supreme court this month reversed itself and ruled the act unconstitutional. The ruling affirms the circuit court of Pinellas County where the law was attacked by a cutrate drug store.

"The law is designed solely for the protection of the wholesale liquor dealer by allowing him to control the retail prices so that his customers may be forced to sell liquor at a substantial profit, if they can sell it at that profit in competition with the bootlegger, and thereby make the wholesaler's collections more secure," the majority opinion stated.

* * *

Florida's "stepmother law," passed by the 1939 legislature and already held constitutional by the supreme court, was applied by the court in affirming the Dade County circuit court's decree in the settlement of the estate of Charles D. Leffler, former Mi-

ami mayor. The decision equally divided the estate between two children and their step-mother.

PHOTO ENGRAVING

LINE CUTS
HALFTONES
COLOR AND
PROCESS
PLATES

RESPESS ENGRAVING COMPANY
INC.

JACKSONVILLE, FLA.

A COMPLETE ART SERVICE

J. H. CHURCHWELL CO.

Manufacturers and Distributors of
CLOTHING AND SHOES

JACKSONVILLE, FLORIDA

Nationwide Bus Service

FLORIDA MOTOR LINES

Postoffice Box 329
Jacksonville, Florida

M. B. OGDEN

CONTRACTORS EQUIPMENT

Phone 5-3072 Graham Bldg.
JACKSONVILLE, FLORIDA

A. R. COGSWELL

"SINCE 1921"

Blue Prints - Photostat Prints - Engineering Supplies
223 HGGAN STREET JACKSONVILLE, FLORIDA

TAMIAMI TRAILWAYS

Member
NATIONAL TRAILWAYS BUS SYSTEM

"SERVING"

FLORIDA'S WEST COAST CITIES

TALLAHASSEE	TAMPA	ST. PETERSBURG	BRADENTON
SARASOTA	PUNTA GORDA	FORT MYERS	NAPLES
	EVERGLADES	MIAMI	

H. E. WOLFE CONSTRUCTION COMPANY, Inc.

St. Augustine, Florida

CAPITAL CHATTER

(Continued from page 11)

fund cash discounts for a full 12 months beginning with June, according to the governor . . . John Ringling North, director of Ringling Brothers circus, was a visitor to the capitol and appeared before the State cabinet. He did not commit himself on the cabinet's suggestion that he purchase the circus, which is a part of the estate left to Florida by the late John Ringling . . . Hotels which do not clean themselves in accordance with requirements of the State Hotel Commission will be closed, according to State Hotel Commissioner Hunter Johnson who declared that State hostleries, restaurants and apartment and rooming houses are being given rigid inspections . . .

Governor Holland told the recent conference of county assessment and collection officers that he would make a thorough investigation of any charge that taxes were being assessed "from a political standpoint" . . . He urged more diligent efforts to collect delinquent and current property taxes and greater attention to collection of taxes on intangibles . . . Number of accidents reported to the Florida Industrial Commission for the first three months of 1942 was almost 10 percent under the same period of 1941 despite an increase in employment in hazardous occupations in the State, according to Boyce A. Williams, chairman . . .

Special elections may be called to fill vacancies caused by members of the legislature being called to service in the Army. These include State Senators Thomas H. Cooley, Mount Dora, and Addison Drumond, Bonifay, and Representative Rainey Cawthon, Tallahassee, who will not, according to Secretary of War Stimson, be given leaves of absence to attend sessions . . . Attorney General Tom Watson, in reply to an Indiana inquiry as to how to streamline State agencies, stated that he could be of no assistance as Florida had a "conglomeration of agencies, boards and commissions" . . .

The State Parole Commission has released 313 convicts from prison in the last six months with but two

being returned for violations of parole. The commission, according to Chairman Francis R. Bridges, Jr., has interviewed 3,000 of the 3,700 convicts who were in prison on January 1. Seven have entered the armed service of their country while many others are employed in defense plants . . . Henry J. Driggers, State Motor Vehicle Commissioner, has been named to head the share-your-car club movement in Florida. If you don't share your car with others, there is no chance of obtaining supplementary rations of gasoline.

ROAD DEPARTMENT HELPS

(Continued from page 7)

outlying air base. These roads are estimated to cost \$840,000.00, some of which will be financed 100 percent from Federal funds which are available in the amount of \$700,000.00.

Near Cocoa we have an arm of the Southeastern Naval Air Base located near Banana River. To serve this base it was necessary to construct bridges over the Banana and Indian Rivers, as well as a highway between Cocoa and State Road 140 on the beach. Although the bridges have been completed the paving is still in progress and will be completed within 60 days. Our expenditures for this construction are estimated to be \$964,000.00, with Federal funds participating in amount of \$482,000.00. The State Road Department has also constructed State Road 140 along the beach and has strengthened an existing bridge over the Indian River at Melbourne, as

I. W. PHILLIPS & CO.

Wholesale Distributors
HARDWARE AND BUILDING
MATERIALS

Tampa,

Florida

VALENCIA GARDEN

SPANISH RESTAURANT AND
TAVERN

811 Grand Central Avenue
Phone H-3773

TAMPA,

FLORIDA

Kuhn, Morgan & Co.

Florida Municipal Bonds
Tampa, Florida



EPPELSON & COMPANY

MACHINERY AND SUPPLIES

"Our Tenth Year"

130-132 South Franklin Street

PHONE
2 6 8 8

Sales "EPCO" Service

Tampa, Florida

Alton Moore Motors, Inc.

Sales

Bartow,

Phone 250



Service

Florida

Moore's Truck & Tractor Co., Inc

Hauling Contractors

Bartow,

Phone 250

Florida

SHERMAN CONCRETE PIPE CO.

JACKSONVILLE

Phone 5-8234

TAMPA

Phone H3556

well as having done some work toward constructing a new facility over Indian River at Eau Gallie. This work has been done at a cost to the State of \$261,000.00.

Near Starke we have the main military establishment in Florida known as Camp Blanding. Although this camp was served from its beginning by existing State Roads 48 and 68, it has been necessary to provide for the reconstruction of these roads as well as to provide for a new transportation artery into Jacksonville, which necessitated relocating and rebuilding a large portion of Road 68. The State has already expended \$633,000.00 on roads to serve Camp Blanding, exclusive of some WPA participation, and we now have under construction work estimated to cost \$1,191,000.00, with Federal funds participating in amount of \$495,000.00. These expenditures were necessary not only because more roads were needed but also because existing facilities soon deteriorated under military traffic and had to be replaced by roads of more modern design.

The Naval Air Station located at Opa Locka is served by existing roads which meet the requirements of the military authorities with the exception of certain streets in Opa Locka. We are cooperating with the authorities by making surveys and preparing plans and at this time the WPA is constructing these streets in accordance with plans provided by the State. Our expenditure here for surveys and plans is estimated to be \$10,000.00, with Federal funds participating 100 percent.

In Orlando it is planned to construct a continuation of State Road 3 in order to connect with State Road 22 leading by the Air Base. We are now preparing plans for this project and plan to construct a concrete pavement estimated to cost \$80,000.00, with Federal participation in amount of \$60,000.00. In connection with other work in this area being done by the WPA, we have furnished plans and engineering at an expenditure of \$5,500.00.

The main undertaking in this State as an access road is the construction of the Overseas Highway between Florida City and Key West to serve the headquarters of the Seventh Naval District and the Army at Key West. We have let contracts for approximately 4.3 miles of bridge construction at an estimated cost of \$1,190,000.00, with Federal participation in amount of \$847,000.00. Plans are rapidly being prepared for the remaining three bridges

and the roadway estimated to cost \$2,228,000.00, with Federal participation in the amount of \$1,671,000.00. This work will consist of converting 90 miles of the old railway bridges and fill into highway bridges 22 feet wide and a two-lane pavement 22 feet wide with 7-foot earth shoulders.

In addition to these specific projects outlined above the State Road Department in conjunction with the Federal government is preparing plans for needed projects in order that these plans may be ready when funds are available for additional construction. Some of this work is being financed by the Federal government and some by the State.

FLORIDA CAVERNS—

(Continued from page 10)

or at the surface. This is true in the Florida Caverns State Park, where most of the caves are in this Ocala Limestone.

The actual beginning of the caves was probably within the last thirty-five thousand years, sometime after the last great ice age. Before the Chipola River had cut its valley so low much of the drainage of the area seeped through the porous, soft limestone in which now are found the caves. By erosion and by solution the small pores and seams in the rock were enlarged into an intricate network of caverns. As the Chipola lowered its bed, the water was drained from the upper passages and air and evaporation began to take a part in shaping the cavern.

To this point the process had been one of enlargement. Now the process was reversed. Wearing down of the hills and widening of the valleys destroyed many pas-

H. J. Sutton

WHOLESALE LUMBER

Ft. Pierce,

Florida

VAUGHN & WRIGHT

GENUINE McQUAY — NORRIS

AUTO & TRUCK PARTS

W. Palm Beach

Ft. Pierce

Hall's Auto Parts

Automotive Parts

Ft. Lauderdale, Florida

OOLITE ROCK COMPANY

Producers of

Miami Oolite Lime Rock

Grades No. 1 and No. 2

P. O. Box 1751

Miami

JOE'S TIRE SHOP

Recapping - Retreading - Tires

Tubes - Batteries - Recapping

USED TIRES AND TUBES

1113 N. W. 7th Ave.

Phone 2-2541

Joe Gibson

Miami, Florida

MURPHEE CONSTRUCTION CO.

GENERAL CONTRACTORS

WEST PALM BEACH,

FLORIDA

Florida Construction Service, Inc.

HAULING AND CONSTRUCTION EQUIPMENT

Opa Locka,

Florida

MILLS ROCK CO.

MIAMI,

FLORIDA

DIESEL
TRACTORS

CATERPILLAR

Reg. U. S. Pat. Off.

ROAD
MACHINERY

ALL LINES INDUSTRIAL MACHINERY

SHELLEY TRACTOR & EQUIPMENT COMPANY

MIAMI,

3650 Bird Road

FLORIDA

sages and left openings to others exposed as we see them today. Inside nature began to decorate the cavern surfaces. Rainwater seeping down from above picks up lime and traces of other materials from the soluble rock. On reaching the caverns droplets form on the ceiling; some hang and partially evaporate, causing concentration and some deposition of the dissolved minerals. Some of the droplets sooner or later fall and evaporate on the floor depositing their burden of minerals there. The results thus produced staggers the imagination!

These deposits build down and up in crystalline shapes, some like soda straws, some massive and knobby, some almost pure white calcite, others variously tinted by iron compounds and other minerals. Some have joined to form columns from floor to ceiling; others forming on sloping surfaces produce drapery-like sheets. In places these formations are so crowded it would seem that nature was trying to refill the cavities she had taken so long to create.

The caves have added interest to the human history since early times. They are first mentioned in writings by Friar Barreda, who was with the first overland expedition made by the Spaniards to Pensacola Bay. The following paragraph is in the Friar's own words written over two hundred and fifty years ago:

"On June 12 we continued northwest and after we had journeyed a little more than three leagues . . . we reached an abandoned village of the Choctaw tribe called San Nicholas, where I came to preach the holy gospel in the year '74. Here we spent the night in the hollow of such a beautiful and unusual rock that I can state positively that more than 200 men could be lodged most comfortably in it. Inside, there is a brook which gushes from the living rock."

That he preached the gospel there in the year '74 (1674) would indicate that the caves were known to the Spaniards even earlier.

At the time of this expedition the Indians were in the habit of using the caves for shelter on their hunting excursions into the area. There is considerable evidence of such use by the Indians remaining to this day. In most of the smaller and dry caves there are quantities of potsherds, or small broken pieces of pottery. All of the sherds so far found are of a comparatively late post-Columbian type. This has been determined by experts who know how to read the story told in the designs on the pottery.

The next historical mention of the caverns was made by Andrew Jackson's punitive expedition against the Indians. Legend says that a large band of Indians escaped from his soldiers by hiding in one of the caves.

During the colonial period the caverns were used by outlaws and others who were, for one reason or another, hiding from justice or persecution. Recently there has been found, in one of the smaller caves in the Park, a brace of muzzle-loading pistols, numerous tools and a number of utensils that had been left by such a party. In the back of the cave there was a dug well and evidence of a forge.

In addition to its geological attractions, the area in which Florida Caverns is lo-

cated is of peculiar interest biologically. In it are found many species of both plants and animals that are not expected so far south, as well as a large number of typically southern forms. This is true of most of the Apalachicola River drainage basin, but parts of it are particularly rich in these northern forms. Florida Caverns is in one of these parts. Torreya State Park is another.

In spring the trillium, bloodroot, May apple and columbine growing amid many beech and silverbell trees give one the feeling of being in a northern forest. To one delving a little below the surface, several species of salamanders would add to this impression. An entomologist would discover many insects not found farther south or even this far south, except in this region. So it is with most all classes of animals.

A visitor does not have to be familiar with the exact range of certain species, however, to appreciate the living things found in the park. Smooth trails through flower- or fern-carpeted woods lead to many beauty spots filled with the music of birds by day and the songs of frogs and katy-dids by night. For long spring months the evergreen magnolia, the chinaberry, and other flowering trees, keep the air heavy with their fragrance. Two small but interesting palms, the blue-stem palmetto and the needle palm, help maintain the southern atmosphere. Beech, numerous hickories and oaks, gums, hackberries, and other fruiting

trees, furnish an unusually rich food supply for wild turkey, squirrels and many small woods rodents. These in turn support a large number of owls, foxes and other pred-

B. D. McINTOSH
Yellow Pine and Cypress Lumber
Altamonte Springs, Fla.
Phone 1307R
Winter Park Line

Mills Rock Co.
of Miami, Inc. Florida
Miami, ALACHUA ROCK QUARRIES
Williston, Florida

R. W. UNDERWOOD
Mill Located on Hammock Road
Phone 194
BROOKSVILLE, FLORIDA
Lumber Rough and Dressed
Building Material - All Kinds
Survey Stakes, Pointed and Bundled

Orange Belt Truck & Tractor Company
International Trucks, Tractors, and Equipment
Phone 9881
ORLANDO, FLORIDA

E. F. FITCH, President

S. L. KILGORE, Sales Manager

FLORIDA CRUSHED STONE COMPANY

"BROOKSVILLE STONE"

WASHED - CRUSHED - SIZED

FOR ALL PURPOSES

Sales Office:

LEESBURG, FLORIDA

Offices:
Ocala, Fla.
Leesburg, Fla.
Jacksonville, Fla.

Quarries:
Conrock, Fla.
Camp, Fla.
Gay, Fla.

Repairing

Rentals

Rebuilding

Electric Welding

Acetylene Welding

Machine Work

DRAINAGE MACHINERY & SUPPLY CO.

PARTS AND SERVICE

Link-Belt Speeder

John Deere

Draglines - Cranes - Shovels

Tractors - Implements

Telephone 437—P. O. Box 787

410 Boston Avenue

Fort Pierce, Florida

LAMAR HOTEL

L. B. McLeod
Construction Co.
Owners

Steam Heat

Free Parking

ORLANDO, FLORIDA

Mac J. Laird
Manager

ORLANDO'S LEADING MEDIUM PRICED HOTEL

atory birds and animals. It is an area teeming with life and interests.

The Florida Forest and Park Service with the cooperation of the National Park Service and a CCC company of World War Veterans, has preserved the natural beauty of this Park. They are now completing some of the essential facilities which will make it possible for great numbers of people to view the caves in comfort and safety. The biggest job, of course, has been the underground excavation and the construction of a lighting system. It is next to impossible to visualize the volume of material removed to make it possible to walk the three-quarter mile of underground trail in comfort.

The most outstanding landmark in the Park is the stone building which has been erected near the cave entrance. It was built by hand from the solid rock foundation to the hand-riven cypress shake roof. The walls are built of beautifully weathered native limestone and the shelter roof is supported by hand-hewn timbers prepared on the ground. This building is so constructed that it should be standing and in use for several generations. It will serve as headquarters, refreshment house, temporary museum and lounge. Parties touring the caverns will join the guides here and return after the tour. The building is equipped with modern utilities and will provide comfort for all who visit the Park.

Florida Caverns State Park occupies a strategic place in Florida. At present it is our most westerly State Park and it is not far off U. S. Highway 90. It serves now as the gateway to our State Park system for tourists entering the State from the northwest and west. It is within easy reach of most of the people living in the northern part of the State and many thousands living in Alabama and Georgia. The Park possesses many features found in other State Parks, and in addition the surprising natural phenomenon—the caverns. Such a feature is not commonly expected in Florida and with the excellent quality and beauty of the formations found in them, makes it all the more fascinating to the visitor.

Florida Caverns has qualities which place it in a favorable relation to all of our other State Parks and it deserves all of the high praise it has received from those who are in position to judge State Park values. It will supplement the values of the other State Parks which mark them as one of the outstanding groups of such areas in the southeast.

The State Park system of Florida has been developed as a coordinated group of Parks, each one of which stands upon its own merits and each one possessing as many as possible of the following values: Outstanding historic, scenic and scientific attractions. Florida Caverns is richly endowed with them all.

Plans now call for opening the caverns to the public about August 1, 1942.

ACCOMPLISHMENTS OF

(Continued from page 9)

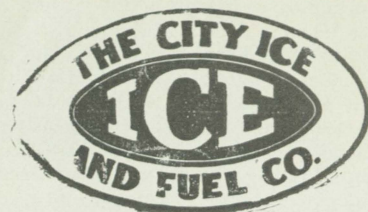
stands with fire protection.

The available forest survey information for Florida indicates that we are cutting our merchantable timber faster than it is being replaced. The percent of overcut is difficult to determine on account of the tremendous

volume of potential timber becoming established on the 7 million acres of land under active fire protection. It is estimated that at the present time we might be overcutting at the rate of about 20 to 25 percent based on the growth of timber on the unprotected lands. The encouraging light in this drab picture is that the growth on the protected area is estimated to be about seven times greater than on the unprotected forest lands, and this information is still based on stands of timber which are not considered to be fully stocked. As more and more land comes under fire protection landowners automatically improve their cutting practices because they realize the financial advantage of a continuous, rather than a spasmodic, crop of timber and the excess drain over growth will be gradually reduced.

A naval stores program, conducted in cooperation with Bureau of Chemistry and Soils at Olustee, is materially assisting the farmers and the forest landowners in producing higher yields of rosin and turpentine, and at the same time conserving the timber resources. The results of experiments conducted at the Station of the Bureau of Chemistry and Soils are transmitted to the field by a cooperative agent jointly employed by our department and the bureau, and which consists of methods of improving the quality of the gum produced by the living pine tree. The Olustee Experimental Forest, which is a branch of the Southern Forest Experiment Station of the U. S. Forest Service, supplies to our cooperative agent the most modern methods of chipping timber in order to preserve the life of the tree and at the same

time increase the quantity of the gum produced. This activity is especially valuable at this time due to the fact that the naval stores producers have been requested to increase their output by 50 percent to meet the demands created by the war.



SERVING FLORIDA

HOMES - CROPS - FOOD STORES

Arcadia	Lake Butler	Pensacola
Baldwin	Lake City	Perry
Belle Glade	Lakeland	Punta
Cocoa	Live Oak	Gorda
Daytona	Madison	Sanford
Beach	Melbourne	Sebastian
Fort	Miami	St. August-
Lauderdale	Monticello	tine
Fort Myers	Naples	Titusville
Hawthorne	Okeechobee	Waldo
Hollywood	Pahokee	West Palm
Jacksonville	Palatka	Beach

Stop At—

TUNGSTON

23 Miles East of Tallahassee
Intersection of Routes 500 and 19
See 250,000 Tung Trees
TUNGSTON PLANTATIONS

FLORIDA ASPHALT CO.

Tallahassee, Florida
Dealers in all grades of Asphalt
Stocks in Drums carried in locations
convenient to any section of the
State.

Tractors and Scrapers - Draglines
and Shovels - Hoists - Pumps -
Mixers - Rollers - Tampers

SEABROOK HARDWARE CO.

Construction Machinery
Tallahassee, Florida

THE PURE WATER DOES IT !!!



**SPEARMAN
BEER-ALE**

Southern Born • Southern Owned • Southern Managed

GEORGIA PACKING COMPANY

BEEF - PORK - SAUSAGE

THOMASVILLE, GEORGIA

TRULY—A SOUTHERN INSTITUTION GROWING
WITH THE SOUTH

One of our outstanding forest management activities is the cooperative projects established in the vicinity of Lake City and Chipley, whereby the U. S. Forest Service, the Soil Conservation Service, the Agricultural Extension Service, and the Florida Forest and Park Service, are assisting farmers in obtaining increased revenue from their forest holdings while at the same time supervising the cutting to assure continuous production of forest products. These combined projects are reaching approximately 100 farmers and valuable forest management information is being obtained by an accurate study of each project, which information is being transmitted to farmers and timberland owners throughout the State by our department, and through the farm forester employed by the Agricultural Extension Service.

Parts of the southern part of Florida lie beyond the commercial range of the pine tree which grows so prolific in the northern part of the State. The forest problem in the southern part of the State is to establish by experimentation the commercial forest tree species which are adaptable to be produced in those types of soil and climate. The Florida Forest and Park Service is conducting a limited subtropical forestry project in an effort to determine what these trees might be in order to make implicit recommendations to landowners interested in producing forest crops on these lands. Valuable assistance in this connection is being obtained through the courtesy of Professor John C. Gifford of the University of Miami.

The Board of Forestry and Parks, working through its department the Florida Forest and Park Service, is following a forestry program adopted by the board which includes among other things the realization of the necessity for State-wide fire control on all forest lands, extension of facilities to more adequately serve the forest management needs of the farmers and timberland owners, a fair method of taxation on forest lands which are growing young crops of timber but not of merchantable size, increase the effectiveness of apprehending and convicting violators of the forest fire laws, and the establishment of a system of forest credits which will permit the forest property owners to borrow on that investment rather than cause liquidation in times of financial stress.

The educational and informational portion of our program is a continuing project which

is of major importance in acquainting the public with the need of conserving one of the State's most important natural resources through proper care and wise utilization. Numerous projects are operating through the vocational agricultural schools, Boy Scout troops, public school system, and through the media of radio, motion pictures, slides, exhibits, newspapers and publications. It is planned to intensify this phase of our activity by conducting intensive publicity programs in the vicinity of our fire-control areas which will include a complete coverage of the schools, civic clubs, farmers' groups, and including radio and newspaper publicity. Motion pictures, slides and lectures are also being used to inform the public of the activities of the Florida Forest and Park Service.

The Florida Forest and Park Service also administers the acquisition, development and maintenance of a system of 12 State Parks to help meet the recreational needs of the residents of the State of Florida and its visitors. This paper does not include an accounting of this program since it is primarily intended to cover the accomplishments of the forestry program for the information of the forestry committee of the State chamber of commerce.

Gulf Oil Corporation

Rubye H. Walden, Dist.

DeFuniak Springs, Florida

FISHER HARDWARE COMPANY

Wholesale and Retail

DeFUNIAK SPRINGS, FLORIDA

IN VALPARISO

It's

MANNING'S PLACE

Bar and Grill

VALPARISO, FLORIDA

HEATH MOTOR & SUPPLY COMPANY

AUTOMOTIVE JOBBERS
WHOLESALE AND RETAIL

Parts for all makes and models of cars and trucks

Phones 721-722 Panama City, Fla.

Weaver - Loughridge Lumber Company

Manufacturers of

Longleaf Yellow Pine - Gulf Red Cypress - Hardwoods

BOYD, FLORIDA

R. B. Mahan, Secy.-Treas., F. A. Mahan, Pres. and Mgr., A. N. Watson, Sales Mgr.

MONTICELLO NURSERY COMPANY

Established 1902—Sole Owners—Mahan Pecans

Pecans, Satsumas, Fruit Trees, Evergreens, Roses, Flowering Shrubs

MONTICELLO, FLORIDA

PANAMA MACHINERY AND SUPPLY COMPANY

GENERAL MACHINE & WELDING SHOPS—BLACKSMITHING

Panama City,

Florida

NELSON CHEVROLET COMPANY, INC.—24-Hour Wrecker Service

SALES AND SERVICE

Telephone 1089—Night Phones 875, 848, 728

PANAMA CITY,

FLORIDA

LLOYD MOTOR COMPANY, Inc.

R. L. Lloyd, Mgr. & Pres.

Jinks Ave. and Fifth St.

PANAMA CITY, FLA.

Phones 9178 and 899

PONTIAC — CADILLAC — PACKARD

Authorized Sales and Service—24-Hour Wrecker Service—We Never Close

ROAD DEPARTMENT MINUTES

(Continued from page 3)

SUPPLEMENTAL AGREEMENTS APPROVED

On motion of Mr. Stockton, seconded by Mr. Ward, the following supplemental agreements were approved:

Project	Road
5524(1)	550
5524(1)	550
103-K(1)	13
117-A(1) FA	21
SNFA 175-G(2) & SN-FAGM	
275-B(1) FA	8-A
5433(1) & 5228(2)	47

COPIES OF CONTRACTS FOR COMPTROLLER

On motion of Mr. Ward, seconded by Mr. Townsend, the Members agreed to comply with the Comptroller's request, that copies of all future State Road Department contracts be furnished to the of-

County
Clay
Clay
Duval
Volusia
Lake
St. Johns

fice of the Comptroller, and the Engineer was requested to issue instructions to his office personnel in compliance herewith.

RENEWAL OF LEASE OF PUTNAM MEMORIAL BRIDGE

On motion of Mr. Ward, seconded by Mr. Stockton, the following resolution

Contractor	Change in Contract
Marion Contr. Co.....	\$ 15.00 Increase
Marion Contr. Co.	602.11 Increase
M. J. Carroll Contr. Co...	80.70 Increase
M. J. Carroll Contr. Co...	204.40 Increase
Cone Bros. Contr. Co.....	117.00 Decrease
Duval Eng. & Contr. Co...	2,800.99 Decrease

was adopted:

BE IT RESOLVED that the Chairman and Secretary of this Department are hereby authorized and directed to execute in the name of this Department, a renewal of the lease agreement with the Board of Bond Trustees of Putnam Coun-

ty, covering the Memorial Bridge on Roads 3 and 28 at Palatka, for the year beginning July 1, 1942, under the following terms: the monthly rental paid shall continue to be \$4,900, and in addition to the rental the Department shall pay to the Bond Trustees the further sum of \$50 per month, and in consideration of such payment the Trustees shall provide electric current for the lights on the draw span and power for operation of the lift span.

PINELLAS COUNTY—ROAD 81— CANCELLATION OF R/W CONTRACT BOND

On motion of Mr. Stockton, seconded by Mr. Townsend, the following resolution was adopted:

BE IT RESOLVED that Pinellas County and the U. S. Fidelity & Guaranty Co. of Baltimore, Md., be, and they are hereby released and discharged from each and every of their obligations to the State Road Department under that certain surety bond executed by Pinellas County, as principal, and said corporation, as surety, to this Department, as obligee, dated the 18th day of July, A. D. 1941, in the penal sum of \$7,000.00, conditioned to secure the performance of a certain Right of Way Contract dated the 16th day of July, A. D. 1941, between the said County and this Department for Project No. 95-F, of State Road No. 81, and said surety bond is hereby terminated and canceled.

BE IT FURTHER RESOLVED that inasmuch as Pinellas County has completely performed and discharged each and every of its obligations under said Right of Way Contract dated July 16th, 1941, the State Road Department hereby releases and discharges Pinellas County from any further liability or obligation whatever to this Department under said contract.

BROWARD COUNTY REQUESTS

The Secretary read resolutions from the County Commissioners of Broward County making the following requests:

- (1) That the Road Department assume and undertake maintenance of Road 176 within the City of Fort Lauderdale, between the intersection of Southeast and Southwest 24th Street and the intersection with Broward Boulevard.
- (2) That the Road Department widen and reconstruct Road 361 between Road 149 and the City of Pompano, so that the finished surface of said road will be at least 22 feet wide. For this latter work the Department was authorized to use surplus gas tax funds of Broward County in the amount of \$22,800.

The Secretary then read a resolution from the City of Fort Lauderdale asking the Department to assume maintenance of the following section of road:

Beginning at State Road No. 4, thence West on N.E. 10th Street to Flagler Drive, thence southwesterly along Flagler Drive to State Road 176 (Andrews Avenue), thence southerly along State Road 176 (Andrews Avenue) to its southerly intersection with State Road No. 4.

RESOLUTION: On motion of Mr. Lindsey, seconded by Mr. Ward, the following resolution was adopted:

BE IT RESOLVED that this Board defer action on the requests of Broward County as contained in the three resolutions presented at this meeting, for the duration of the national emergency.

PALM BEACH COUNTY (and Broward County)

Mr. A. A. Poston, Chairman of the Board of County Commissioners of Palm Beach County, appeared with the request that the Department render some assistance to the County in making necessary repairs to Lantana Bridge.

RESOLUTION: On motion of Mr. Stockton, seconded by Mr. Ward, the following resolution was adopted:

BE IT RESOLVED that the requests for assistance in repairs to Lantana Bridge

in Palm Beach County, and to Andrews Avenue Bridge in Broward County, be left with the Member from that District, Mr. Lindsey, to handle as he sees fit, bearing in mind the general policy of the Department not to take on additional operations at this time.

HILLSBOROUGH COUNTY

Mr. John Allison, Assistant County Attorney, and Mr. Joe Merrin, County Engineer appeared in behalf of Hillsborough County.

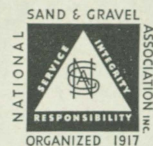
Mr. Allison explained to the Board that in 1935 the Road Department was very anxious to reconstruct State Road 5 north of Tampa and the County had secured the right of way on the location made by the Department. Later it seemed necessary to relocate the crossing over the SAL tracks at Bruin, where the Department was then undecided between the construction of an overhead and a grade crossing. Mr. Allison stated that because the County was short of funds, the Road Department advanced for the County the sum of \$7,863.00 to secure this additional right of way in order that construction might not be delayed. Mr. Allison requested the Department to cancel this obligation of Hillsborough County.

Mr. Merrin told the Members that when he was appointed County Engineer, and the Board of County Commissioners were making up the county budget, Commissioner Fernandez told the Board that this item of \$7,863 should not be included in their budget because he had a conference

with Mr. Walter Gall, then Member of the State Road Department, who told him

Florida Gravel Co. Chattahoochee, Florida

Office Phone 44
Shipping Point: Chattahoochee River,
on the S.A.L. Railway



Producers of
Apalachicola Gravel
and Quartz Sand

for use in connection
with the

Strongest of Concretes
and

Surface Treated Pavements
where Permanency and Non-Skidding
is desired.

THIRST KNOWS NO
SEASON

Drink

Coca-Cola 5c

HYGEIA COCA COLA
BOTTLING WORKS

PENSACOLA,

FLORIDA

Pensacola Junk Company

Pensacola,

Florida

SHERRILL OIL COMPANY

Distributors of Pure Oil Company Products

Pensacola,

Florida

DIXIE SAND & GRAVEL COMPANY

Rufus Campbell, Owner

SAND AND NO. 1 GRAVEL—MAILING ADDRESS

FLOMATON,

ALABAMA

MEXICAN PETROLEUM CORPORATION

ASPHALT FOR ALL TYPES OF PAVING

NEW YORK, N. Y.
122 E. 42 St.

R. L. BANNERMAN
113 E. Park Ave.
Tallahassee, Florida

COOK MOTOR COMPANY

W. J. Cook, Owner

SALES

Authorized FORD Dealers

SERVICE

Phone 190

WRECKER SERVICE — DAY AND NIGHT

Panama City,

Florida

that the Road Department would charge off this item. Mr. Merrin further stated, however, that there was no written agreement or other record to confirm the verbal agreement with Mr. Gall.

SRD OFFICIAL DETOUR BULLETIN

On motion of Mr. Stockton, seconded by Mr. Ward, the Members agreed that for a period of six months the Department will pay for the actual cost of putting out the detour bulletin as outlined by the Secretary.

HOURLY EMPLOYEES ON MILITARY LEAVE

On motion of Mr. Townsend, seconded by Mr. Ward, the following resolution was adopted:

BE IT RESOLVED that employees of this Department, paid on an hourly basis, who have been in the employ of the Department for a period of three months or more, shall, on becoming inducted into the armed forces of the United States on or after July 1, 1942, receive pay for two weeks additional time, based on the average wage received for the previous three months.

CHAPLAIN SERVICE FOR CONVICT CAMPS

On motion of Mr. Stockton, seconded by Mr. Ward, the Members agreed that no State Chaplain would be employed at this time, but that all applications would be filed for future consideration; further, that provision for religious services to the convict camps be taken care of through local ministers.

WAGE SCHEDULE ON OVERSEAS HIGHWAY

On motion of Mr. Stockton, seconded by Mr. Townsend, the following resolution was adopted:

BE IT RESOLVED, that if any variation in the wage schedule set up by this Department for work on the Overseas Highway be recommended and approved by Mr. Lindsey, Member from that District, the same shall be approved by the Department and shall be recognized for payment by the Auditor.

MARKERS FOR POINTS OF INTEREST TO TOURISTS

Mr. Horace Smith, Secretary of the Marion County Chamber of Commerce, asked the Department to give consideration to a system of markers to call attention of the traveling public to points of interest to tourists in this State.

COMPENSATION FOR PHYSICIANS OF CONVICT CAMPS

On motion of Mr. Ward, seconded by Mr. Stockton, the following resolution was adopted:

BE IT RESOLVED that no extra compensation can be allowed for physicians at convict camps, it being the sense of this Board that their regular salaries should be full compensation for any and all extra service required of them.

RESOLUTION OF THANKS

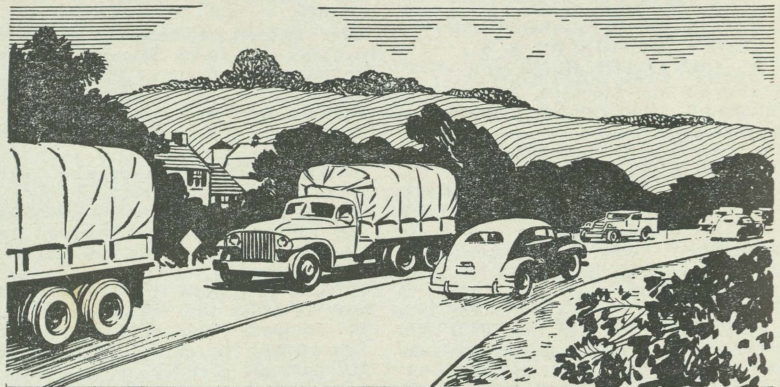
On motion of Mr. Townsend, seconded by Mr. Stockton, the following resolution was unanimously adopted:

BE IT RESOLVED that the Members of this Department record their apprecia-

tion and thanks to Carl G. Rose, Norman Horne, Jas. H. Craggs, L. B. Thrasher, the Marion Hotel, the Rotary Club, the Elks Club, and others of Ocala for the entertainment and courtesies extended to us during our stay in Ocala.

ADJOURNMENT

On motion of Mr. Stockton, seconded by Mr. Lindsey, it was agreed to meet the next time in Tallahassee, on a date to be set by the Chairman, and the present meeting adjourned.



Punishing war-time traffic reveals the strength and economy of CONCRETE ROADS

You've seen it happen—a road surface which seemed satisfactory in normal service, broken up rapidly under unexpectedly heavy concentrations of traffic. Soon traffic is paralyzed and an important highway is ruined.

● Such unexpected or emergency traffic spotlights the strength and durability of *Concrete*. Little affected by

wet weather, concrete's high load-carrying capacity gives the extra margin of safety roads need to stand the gaff ...to keep traffic rolling, keep maintenance costs down.

● Because of its ability to "take it" under emergency or normal traffic growth, for safety, for *low cost* highway service, concrete is ideal for the roads needed today.

PORTLAND CEMENT ASSOCIATION, Dept. B7-37, Hurt Bldg., Atlanta, Ga.

A national organization to improve and extend the uses of concrete ... through scientific research and engineering field work

BUY DEFENSE STAMPS AND BONDS . . . SUPPORT THE RED CROSS

B. B. McCORMICK AND SONS

—INCORPORATED—
GENERAL CONTRACTORS

TRANSIT-MIXED CONCRETE
BULKHEADING
GRADING

616 Graham Bldg.

ROAD CONSTRUCTION
MARINE CONSTRUCTION
RIGHT OF WAY CLEARING

Jacksonville, Florida

THE DIXIE CULVERT & METAL CO.

THE ARMCO PIPE ARCH
ARMCO MULTI PLATE ARCHES

JACKSONVILLE, FLORIDA

ARMCO ASBESTOS BONDED
PAVED INVERT PIPE

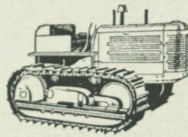
FLORIDA-GEORGIA TRACTOR COMPANY

Jacksonville

Lakeland

Miami

ROAD MACHINERY



CONTRACTORS' SUPPLIES

CONSTRUCTION EQUIPMENT

We also carry a complete stock of thoroughly rebuilt and guaranteed equipment for rent or sale.

Eppinger and Russell Co.

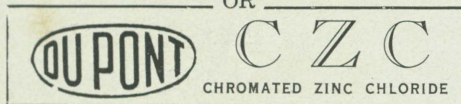
Wood Preservers Since 1878

All Kinds of Structural Timbers and Lumber
Pressure Treated With Creosote Oil

PLANTS:

Jacksonville, Florida
Long Island City, N. Y.

OR

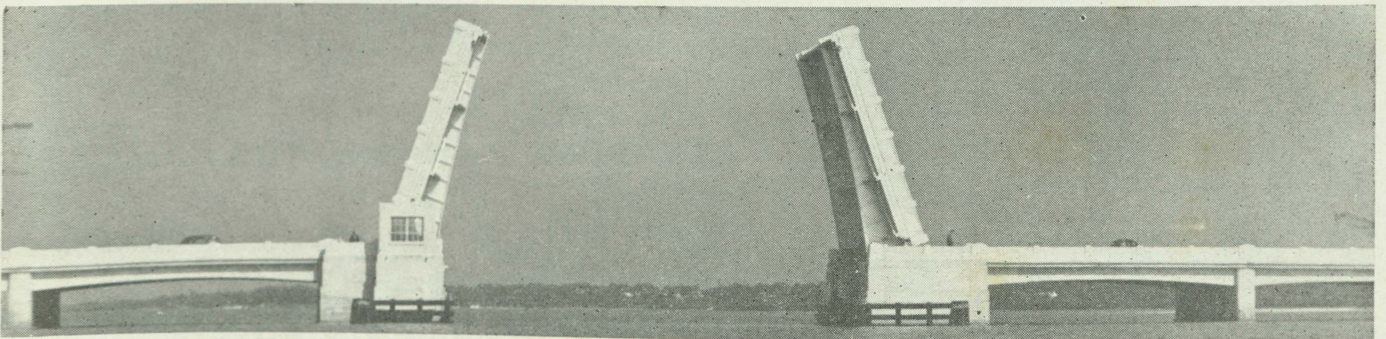


OFFICES:

Jacksonville, Florida
80 Eighth Avenue, N. Y. C.

NEWPORT INDUSTRIES INC.

Pensacola, Florida



Electric Arc Welded Double Leaf Bascule Bridge

Central Avenue between St. Petersburg and Treasure Island Beach, Florida

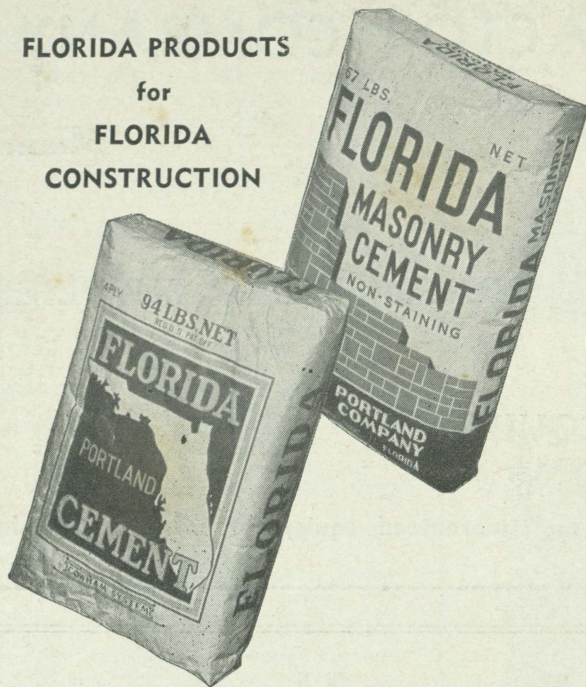
BETTER CONSTRUCTION AT LOWER COST

THE AETNA STEEL CONSTRUCTION COMPANY

JACKSONVILLE,

FLORIDA

FLORIDA PRODUCTS
for
FLORIDA
CONSTRUCTION



FLORIDA CEMENT  PORTLAND COMPANY

FLORIDA WOOD PRESERVING CO., INC.

Specializing in the Manufacture and Treatment of the Following Forest Products

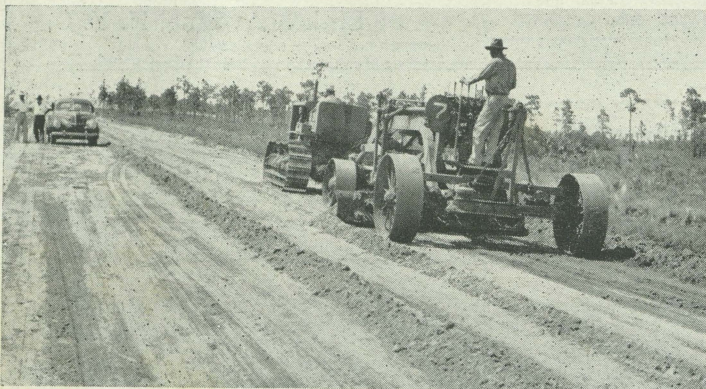
POLES, CROSSARMS, PILING, CROSS TIES,
LUMBER, BRIDGE AND STRUCTURAL
TIMBERS, ETC.

PRESERVATIVES USED
CREOSOTE OIL AND CELCURE
P. O. Drawer 1710

PENSACOLA,

FLORIDA

We appreciate your inquiries. Cost estimates gladly
furnished without charge.



VICTORY... This Way!

You have a vital part to play in the ultimate Victory that must and will come to America. For your "CATERPILLAR" Tractors and allied equipment represent America's stake in its need to keep open roads . . . to build new ones essential to our armed forces.

And it's up to you to get the most service from your "CATERPILLAR." That's why we

urgently suggest that you keep in touch with your nearest "CATERPILLAR" dealer for genuine "CATERPILLAR" parts and for factory-trained service men.

In this way, you can be sure that your "CATERPILLAR" Tractors and equipment will be kept in tip-top shape—ready at all times to work for you and for Uncle Sam. Let your nearest "CATERPILLAR" dealer help you help Uncle Sam.

BURGMAN TRACTOR COMPANY

JACKSONVILLE, FLORIDA

CLEWISTON MOTOR CO., CLEWISTON, FLA.

CATERPILLAR
REG. U. S. PAT. OFF.
DIESEL TRACTORS

TRACK-TYPE TRACTORS · DIESEL ENGINES
AND ELECTRIC SETS · ROAD MACHINERY